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SYNOPSIS OF THE MOLLUSCA OF THE CRETACEOUS FORMATION,

Including the Geographical and Stratigraphical Range and Synonymy.

By WILLIAM M. GABB.

MARCH, 1861.

PREFACE.

In September 1859, I published in the Proceedings of the Academy of Natural Sciences of Philadelphia, a "Catalogue of the Invertebrate Fossils of the United States." Having, since that time, been repeatedly requested to prepare a supplement, with the additions that have been made to the subject, and such corrections as I may have found necessary, I have preferred going over the whole of the formation, bringing it up to the year 1860, since the latest work of the kind only extends to 1850.

My former catalogue was at first prepared for my own use only and afterwards published at the advice of some of my friends. Not being intended originally for general use, and having been compiled during a press of other engagements, it was necessarily imperfect in many particulars. In the present paper I have endeavored to remedy these defects. Having access, in the collection of the Academy, to all the known types of Dr. Morton's, and a large number of Mr. Conrad's species, I am happily able to settle some points which have long been in doubt. Thus, the original specimens from which Dr. Morton described the species, *Inoceramus Barabini*, I find belong, as has long been suspected, to two very distinct species: one is probably *I. problematicus*, Schlt.; the other will have to retain the name *I. Barabini*. The types of *Clypeaster geometricus*, and *C. florealis*, both very badly figured in the "Synopsis," and with scarcely a generic description, still exist in the collection. The first is probably, as Agassiz, in his Catalogue Raisonné considered it, a *Pygurus*, although being but an imperfect cast, there is yet some uncertainty. The latter is not a *Faujasia* as considered by d'Orbigny and Desor, but is a true *Cassidulus*.

Again, by a comparison with the types (the only true resort in case of a dispute) I have ascertained the relations of *Gryphaea Pitcherii* and Marcou's *G. dilatata* var. *Tucumcarii*. (See Proc. Acad. Feb. 12, 1861.)

In preparing the synonymy of the foreign species, I have placed most confidence in special monographs, preferring in all cases to defer to the opinions of such authors as have the reputation of being most reliable.

As to the American species, in addition to my own acquaintance with the subject, I have received much valuable assistance from my friends, Messrs. Conrad and Meek, both in conversation and by means of their numerous papers, more especially from the excellent catalogue of the species from Nebraska, recently published by the latter gentleman in connection with Dr. Hayden.

For convenience, I have used many abbreviations, a list of which is given below. When two or three numbers follow a reference, unless otherwise stated, the first designates the page; the second, the plate; and the rest the figures, thus: "Con. Jour. Acad. v. ii, 275, 24, 3," means Conrad, Journal of the Academy, volume 2, page 275, plate 24, figure 3.

I have spared no labor to make this the most complete paper of the kind ever yet published, and to that end have gone over the entire subject anew; still a work like this must almost necessarily have some imperfections, spite the utmost vigilance of the author. I shall therefore feel myself under many obligations to any one who may take the pains to point out to me any defects, and I shall endeavor at a suitable time to correct them. W. M. G.

LIST OF ABBREVIATIONS.

d'Arc. M. G. S. F.—d'Archiac Memoirs of the Geological Society of France, 2d ser. vol. ii.

B. & C.—Bayle & Coquand, id. 2d ser. vol. iv, 1851.

Baily, Q. J. G. S.—Quar. Jour. Geological Society. London, vol. ii.

Blainv.—Blainville (H. D. de) Mémoire sur les Belemnites, considerées zoologiquement et Géologiquement. Paris, 1827.

Von Buch, Petr. rec. par Humb.—Pétrifications recueillies en Amérique, par Alex. Humboldt et par Chas. Degenhardt. Berlin, 1839.

Con.—Conrad (T. A.), Proceedings of the Academy, Philadelphia.

Id.—Journal of the Academy, Philadelphia.

Id.—Emory's Report of the Boundary Survey between the United States and Mexico, 1857.

Id.—Lynch's Report of the Expedition to the Dead Sea. Balt. 1852.

Desh. Env. de Paris.—Deshayes (G. P.), Description des Coquilles fossiles des environs de Paris. Paris, 1824:

Dubois, Conch. Foss.—Conchyliologie fossile et Aperçu géognostique des formations du Plateau Volhyni-Padolien. Berlin, 1831.

B. Faujus St. Fond.—Histoire naturelle de la Montagne de St. Pierre de Maestricht. Paris, 7th year of the French Republic.

Fleming (John), Brit. Anim.—History of British Animals. Edinburgh, 1828.

Forbes, Q. J. G. S.—Quar. Jour. Geological Society. London, vol. i.

Id. G. T.—Transactions of the Geological Society of London.

Id.—In Darwin's Geology of South America. London, 1846.

Gabb.—Proceedings of the Academy of Philadelphia.

Id.—Journal of the Academy.

Galeotti, Bull. Acad. Brux.—Bulletin Acad. Bruxelles, vol. vii, 1839.

Gein. Char. Kreid.—Geinitz (H. Br.), Die Versteinerungen von Kreslingswalde, und nachtrag zur charakteristik des Sächsisch-Böhmischen Kreidegebirges. Dresden, 1843.

Goldf. Petr. Germ.—Goldfuss (G. A.), Petrefacta Germaniae, &c. 1826–1833.

de Haan (W.)—Monographiae Ammoniteorum et Goniatiteorum specimen. 1825.

H. & M.—Hall and Meek. Memoirs American Academy, Boston. 2d series, vol. v.

Heb. M. G. S. F.—Hebert, Memoirs of the Geological Society of France, 2d series, vol. iv.

Karst. Geog. Vert. N. Gren.—Die geognostichen Verhaltnisse Neu Grenada's. Von H. Karst. Wien, 1856.

Koch, Beitr. Ool.—Koch (F. C. L.), Beiträge zur Kenntniss des Norddeutschen Ooliten gebildes, &c. 1837.

König.—Icones Fossilium sectiles, London, (date?)

Lea, Phil. Tr.—Lea (Isaac), Transactions of the American Philosophical Society, Philadelphia, 2d ser. vol. vii.

List. Hist. Anim. Ang.—Lister (Martin), Historiae Animalium Angliae, &c. London, 1678.

Mant. Geol. Suss.—Mantell (G. A.) The Fossils of the South Downs or Illustrations of the Geology of Sussex. London, 1822.

Marcou (Jules), Geol. N. A.—Geology of North America. Zurich, 1858.

Math. Cat.—Matheron, Catalogue Methodique et descriptif des corps organisés fossiles du departement des Bouches du Rhône. Marseilles, 1842.

Meek (F. B.), Assin. & Saskat. Exped.—Report of progress of the survey of the Northwest Territory and Report of the Assiniboine and Saskatchawan Expedition. Toronto, 1859.

Meek.—Transactions of the Albany Institute, 1857.

Meek and Hayden.—Proceed. Acad. Natural Sciences, Philadelphia.

Morton, Syn.—Morton (S. G.), Synopsis of the Cretaceous Formation of the United States. Philadelphia, 1834. (Principally extracted from the Jour. Acad. Nat. Sci. 1st ser.)

Nils. P. Suec.—Nilsson (S.), Petrifacta Suecana Formationis Cretaceae, &c. 1827.

d'Orb.—d'Orbigny (Alcide), Coquilles Fossiles de Columbia (N. Gren.) Paris, 1842.

Id.—Paléontologie Française, Terrains Cretacées, vol. i, 1840, vol. ii, 1842, vol. iii, 1843, vol. iv, 1847. Vol. i, contains Cephalapoda, vol. ii, Gasteropoda, vol. iii, Acephala, and vol. iv, Brachiopoda and "Rudistes."

Id. Am. Merid —Voyage dans Amérique Méridionale. Paris, 1842.

Id. Voy. Astrol.—Voyage de l'Astrolabe et Zelée. Paris, 1847.

Id. Prod.—Prodrome de Paléontologie Stratigr. v. ii, 1850, Paris.

Park. Org. Rem.—Parkinson (J.), Organic Remains of a former world. London, 1804–1811.

Passy, Seine Inf.—Description géologique du departement de la Seine Inferieure. Rouen, 1832.

Phil. Geol. York —Phillips (John), Illustrations of the geology of Yorkshire, &c. London, 1836.

P. & R. Env. Genev.—Pictet and Roux, Description des Mollusques Fossiles qui se trouvent dans le grès vert des environs de Genève. Genève, 1847–53.

Pusch, Pol. Pal.—Polens Paläontologie, &c. Stuttg. 1836.

Reuss, Böhm. Kreid.—Die Versteinerungen Böhmischen Kreide Formation, &c. Stuttg. 1844.

Roem. Kreid. Tex.—Roemer (F.), Die Kreidebildungen von Texas, &c. 1852.

Id. Nord. Kreid.—Die Versteinerungen Norddeutschen Kreide Gebirges, 1840.

Id. Ool.—Die Versteinerungen des Norddeutschen Oolithen Gebirges, 1836–38.

Sharpe, Q. J. G. S.—Quarterly Journal of the Geological Society of London, vols. v, vi, and xi.
Sharpe, Foss. Moll. Chalk.—The fossil mollusca of the chalk of Great Britain. Palæontological Society of London, 1853.
Shumard (B. F.)—Marcy's Report, Explorations of the Red River of Louisiana. 1853.
Id.—Proceedings of the Academy Nat. Sci. Philadelphia.
Id.—Transactions of the Academy of Arts and Sciences, St. Louis.
Sow. Min. Con.—Sowerby (Jas.), The Mineral Conchology of Great Britain. London, 1812–1829.
Sowerby (J. de C.) G. T.—Trans. Geological Soc. London, vol. iv.
Tuomey.—Proceedings of the Acad. Nat. Sci. Philadelphia, 1854.
Voltz (P. L.) Obs. sur Belem.—Observations sur les Bélemnites. 1830.
Woodward, Q. J. G. S.—Quar. Jour. Geol. Soc. of London, vol. xii.

After the references to the authors and place of publication are placed those designating the localities. I have mentioned, when a species occurs in America, the particular State or States in which it is found. In all other cases I have only stated the country. The following are the abbreviations used:

Ala., Alabama,	G., Germany,	N. G., New Grenada,
Ark., Arkansas,	I., India,	N. J., New Jersey,
C., Chili,	Mex., Mexico,	N. M., New Mexico,
Cr., Crimea,	Miss., Mississippi,	R., Russia,
Del., Delaware,	Mo., Missouri,	Sw., Sweden,
E., England,	Neb., Nebraska,	Tex., Texas.
Fr., France,		

The position in the formation is designated by the initials at the right hand of the page, as follows: C., Chalk, U. G., Upper Greensand, G., Gault, L. G., Lower Greensand, N., Neocomien.

The synonyms are placed under the generic heads in which they were given, and the real names of the species are distinguished from the synonymical ones as follows:

EXOGYRA.

costata, Say, &c.
ponderosa, Roem. (costata), &c.

OSTREA.

Americana, Desh. (EXOGYRA costata), &c.
Generic synonyms are designated thus, **Exogyra.**

CATALOGUE.

CEPHALAPODA.

ACTINOCAMAX, Miller, 1826.

fusiformis, Voltz. (BELEMNITES subfusiformis), Obs. sur belemnites, 34, 1, 6.
Milleri, Voltz. (B. subfusiformis), ibid, 35, 1, 7.
verus, Miller (BELEMNITELLA mucronata), G. T., 2d s. vol. ii, 64, 9, 17.

AMMONITES, Brug. 1789.

abyssinis, Morton (SCAPH. Conradi), 1842. Jour. Acad. 1st ser. vol. viii, 203, 10, 4.
acostae, d'Orb. 1847, Prod. Pal.* vol. ii, 99. Bogota. *N.*
acutocarinatus, Shumard, Marcy's Rep. 209, 1, 3. Texas. *C.*
Adonis, d'Orb. Prod. Pal. 125, No. 55. Fr. *G.*
aeolus, d'Orb. ibid, 125, No. 56. Fr. *G.*
Aequatorialis, Von Buch, Petrif. Rec. en Amer. pl. 2, f. 20. Bogota. *N.*
affinis, de Haan (inflatus), Mem. Am. et Goniat. p. 120.
Agassizianus, Pictet, Env. de Genèv. 47, 4, 3. Fr. *G.*
Alexandrinus, d'Orb. Voy. Amer. Mer. 75, 17, 8, 11. *N.*
Alpinus, d'Orb. (subalpinus), Pal. Fr. vol. i, 283, 83, 1, 3.
alternatus, Woodw. Geol. Norfolk. Eng. *C.*
alternatus, d'Orb. (Orbignyi), Coq. foss. de Col. 35, 1, 5, 6.
alternatus, Portl. (Oldhami), Geol. Londonderry, 408.
Americanus, Lea, Trans. Am. Phil. Soc. 2d s. vol. vii, 255, 8, 6. N. Grenada. *N.*
angulicostatus, d'Orb. Pal. Fr. vol. i, 146, 46, 3–4. Fr. *N.*
angulosus, Morton (SCAPH. Conradi), Synopsis, p. 39.

* All the references to d'Orbigny, Prodrome de Paléontologie Stratigraphique, relate to the 2d volume.

angustus, Tuomey, 1854. Proc. Acad. Nat. Sci. vol. vii, p. 108. Alabama. *C.*
Aonis, d'Orb. Prod. Pal. 64. Fr. *N.*
Archiacianus, d'Orb. Pal. Fr. vol. i, 244, pl. 79. Fr. *G.*
armiger, Sow. G. T. 2d s. vol. v, pl. 23, f. 13. India. ?
arthriticus, Sow. id. vol. v, 23, f. 6. India. ?
asperrimus, d'Orb. Pal. F. vol. i, 206, 60, 4–6. Fr. *N.*
asper, Mérian, de Buch. 1829 (radiatus), Ann. Sc. N. 29, 5, 11.
Asterianus, d'Orb. Pal. F. vol. i, 115, pl. 28. Fr. *N.*
Auritus, Sow. Min. Con. tab. 134. Eng., Fr. *G.*
Austeni, Sharpe, Foss. Moll. chalk, 28, 12, 1–2. Eng. *C., U. G.*
Balmatianus, Pictet (inflatus), pl. 9, f. 1.
Beaudanti, Brong. Env. de Paris, pp. 95–99, pl. 7, f. 12. E. G., Fr. *G.*
Beaumontianus, d'Orb. Pal. Fr. 328, 98, 1, 2. *U. G.*
Belknapii, Marcou, 1858, Geol. N. A. 34, 2, 1. Texas. *C.*
Belus, d'Orb. P. F. vol. i, 166, 52, 4, 6. Fr. *N.*
Bennettiae, Sow. (interrupta?), M. Con. pl. 539.
bicurvatus, Mich. M. G. S. Fr. t. 3, pl. 12, f. 7. G. Fr. *G.*
bidichotomus, Leym., d'Orb. P. F. 190, 57, 3–4. Fr. *N.*
bidorsatus, Roem., Nord. Kreid. 88, 13, 5. G. *C.*
binodosus, Tuomey, *not Munster* (Meekii), 1855. Proc. Acad. vol. vii, p. 168.
Bogotensis, Forbes, 1844, Q. J. G. S. p. 178. Fr., N. Grenada. *N.*
Bonnetianus, Pictet Env. de Genev. 49, 4, 6. *G.*
borealis, Morton (SCAPH. Conradi), 1841, Proc. Acad. Nat. Sci. vol. i, p. 107.*
biplicatus, Mant. (lautus), Geol. Suss. 91, 22, 6.
Bouchardianus, d'Orb. P. F. 300, 88, 6–8. G. E., Fr. *G.*
Bourgeoisianus, d'Orb. Prod. p. 212. Fr. *C.*
Bourritianus, Pictet. (Timotheanus), Env. de Genev. 42, 4, 1.
Boussingaultii, d'Orb. Voy. dans Am. Mer. vol. iii, part 4, p. 68, 1, 1, 2. N. Gren. *N.*
Brama, Forbes, G. T. 2d s. vol. vii, 100, 8, 1. India. *C.*
Bravaisianus, d'Orb. P. F. 308, 91, 3, 4. E., Fr. *U. G.*
Brazoensis, Shumard. Trans. St. Louis Acad. 1860, p. 594. Texas. *C.*
Brochii, Sow. Min. Con. 202. E. Cr.? *N.*
Brongniartianus, Pictet. Env. de Genev. 55, 5, 3. F. *G.*
Brongniartii, de Haan (varians), Mem. Amm. et Goniat. 121.

* The young of the form described as *A. Abyssinis*.

Brottianus, d'Orb. P. F. 288 bis. 185, 5–7. G. F. *G.*
Buchiana, Forbes (Tethys), 1845, Q. J. G. S. vol. i, 177.
Budha, Forbes, G. T. 2d s. vol. vii, 112, 14, 9. India. *C.*
Bunburianus, Sharpe, Foss. Moll. of chalk, 25, 9, 3. E. *C.*
Barnstoni, Meek, 1859. Assiniboine and Saskatchawan Exped. 184, 2, 1–3. British America. *C.*
Billingsi (ii), Meek, ibid, 184, 2, 4–6. British America. *C.*
Caillaudianus, d'Orb. Prod. 99, No. 600. Fr. *N.*
Cala, Forbes, G. T. 2d s. vol. vii, 104, 8, 4. India. *C.*
Calypso, d'Orb. P. F. 167, 52, 7, 9. Fr. *N.*
Camatteanus, d'Orb. P. F. 241, 67, 1–2. Fr. *G.*
Camelinus, d'Orb. 1847, Prod. 100. Fr. *N.*
Candollianus, Pictet. (inflatus), Env. de Genèv. 105, pl. 11. Fr. *G.*
Canteriastus, Defr. (regularis), Brong., Env. de Paris, 1822.
carinatus, Tuomey, 1854, *not Brong., Eichw., Beyrich*, nor *Riss.* (Tuomeyi), Proc. Acad. vol. vii, p. 168.
Carlavantii, d'Orb. Prod. 113. Fr. *L. G.*
Carolinus, d'Orb. (Woolgari), P. F. 310, 91, 5, 6.
Carteronii, d'Orb. P. F. 209, 61, 1, 3. Fr. *N.*
cassida, Rasp. Ann. de Sc. d'Obs. vol. iii, pl. 11, f. 3. *N.*
Cassisianus, d'Orb. Prod. 146. Fr. *U. G.*
Castellanensis, d'Orb. P. F. 109, 25, 3–4. Fr. *N.*
catillus, Sow. Min. Con. 564. E., Fr. *U. G.*
catillus, d'Orb. not Sow. (Geslinianus), P. F. 325, 97, 1–2.
catinus, Mant. (rusticus?) Geol. Suss. 198, 22, 10. *C.*
Causonianus, d'Orb. Prod. 99. Fr. *N.*
Cenomanensis, d'Arc. M. G. S. Fr. vol. ii, pp. 62 and 78. Fr., E. *U. G.*
Ceranonis, d'Orb. P. F. pl. 109, f. 415. Fr. *N.*
cesticulatus, Leym. in d'Orb. P. F. 275, 81, 4–5. Fr. *G.*
Chabreyanus, Pictet. Env. de Genèv. 67, 7, 1. Fr. *G.*
Charrierianus, d'Orb. Pal. Fr. p. 618. Fr. *N.*
Cheyenensis, Owen (SCAPH. Conradi), Rep. Iowa, Wis. & Minn.
cinctus, Mant. Geol. Suss. p. 116. Eng. *C., U. G.*
circularis, Sow. in Fitt. G. T. 2d ser. vol. iv, pl. 11, f. 20. Eng. *G.*
clavatus, Deluc. (Mammillaris), Brong. Env. de Paris, 99, 6, 14.
clementinus, d'Orb. Pal. Fr. 260, 75, 5, 6. Fr. *G.*
Cleon, d'Orb. Prod. 1847, p. 124. Fr. *G.*
clypeiformis, d'Orb. Pal. Fr. 137, 42, 1, 2. Fr. *N.*
Collandoni, Pictet. Env. de Genèv. 89, 8, 1. Fr. *G.*
Columbianus, d'Orb. Voy. dans Am. Mer. 77, 17, 12–14. N. Grenada. *N.*

complanatus, Mant. *not Brug.* (subcomplanatus), Geol. Suss. p. 118.
complexis, Hall & Meek, Mem Am. Acad. Boston, 2d s. vol. v, 394, 4, 1. N. J. and Nebraska. *C.*
compressissimus, d'Orb. P. F. 240, 61, 4–5. F. *N.*
concinnus, Phil. (fissicostatus), Geol. York. pl. 2, f. 47.
Conradi, Morton (SCAPHITES), Synopsis, 39, 16, 1–3.
consobrinus, d'Orb. P. F. p. 147, pl. 47. Fr. *N.*
constrictus, Sow. (SCAPHITES), Min. Con. pl. 184 a.
Cornuelianus, d'Orb. Pal. Fr. 364, 112, 3–5. G., Fr. *N.*
cornutus, Pictet, Env. de Genèv. 93, 8, 16. Fr. *G.*
costellatus, Leym. (Deshayesi), M. G. S. F. vol. iii.
Cottae, Roem. Nord. Kreid. 86, 13, 4. G. *C.*
Couloni, d'Orb. Prod. Pal. 147. Fr., G. *U. G.*
Coupei, Brong. Env. de Paris, pl. 6, f. 3. Fr. *C.*
crassicostatus, d'Orb. P. F. 197, 59, 1, 4. Fr. *N.*
crenatus, Sow. in Fitt. (auritus), G. T. 2d s. vol. iv, pl. 11, f. 22.
Crishna, Forbes, G. T. 2d s. vol. vii, 103, 9, 2. India. *N.*
cristatus, Deluc. in Brong. Env. de Par. 95, 7, 9. E. G. *G.*
cristatus, Fitt. *not Deluc.* (Bouchardianus), G. T. 2d s. vol. iv, p. 337.
cryptoceras, d'Orb. P. F. 106, pl. 24. G., Fr. *N.*
cultratus, d'Orb. P. F. 145, 46, 1, 2. Fr. *N.*
Cunliffei, Forbes, G. T. 2d s. vol. vii, 109, 8, 2. India. *C.*
Cunningtoni (ii), Sharpe, Foss. Moll. of Chalk, 35, 15, 2. E. *C.*
curvatus, Mant. (falcatus), Geol. Suss. 118, 21, 18.
curvinodus, Phil. Geol. Yorkshire, pl. 2, f. 50. E. *G.*
Danae, d'Orb. (SCAPH. Conradi), Prod. 1847, p. 213.
Decheni, Roem. Nord. Kreid. 85, 13, 1. Fr., G. *C.*
decipiens, Sow. Min. Con. 294. E. *G.*
Delaruei, d'Orb. P. F. 296, 87, 6–8. Fr. *G.*
Delawarensis, Morton, Synopsis, 37, 2, 5. Del., N. J., Ala. *C.*
Delucii, Brong. (interruptus), Env. de Par. 95, 6, 4.
denarius, Sow. M. Con. 540. E., Fr. *G.*
dentato-carinatus, Roem. Kreideb. Tex. 33, 1, 2. Texas. *C.*
dentatus, Sow. (interruptus), M. Con. 308.
Deshayesi, Leym. (fissicostatus), in d'Orb. P. F. 288, 85, 1, 4.
Deverianus, d'Orb. P. F. 356, pl. 110. Fr. *U. G.*
Diartianus, d'Orb. Prod. 146. Fr. *U. G.*
Didayanus, d'Orb. P. F. 360, 108, 4, 5. Fr., N. Grenada. *N.*
difficilis, d'Orb. P. F. 135, 41, 1, 2. Fr. *N.*

diphylloides, Forbes, G. T. 2d s. vol. vii, pl. 8, f. 8. India. *C.*
diphyllus, d'Orb. P. F. 181, 55, 1–3. Fr. *N.*
dispar, d'Orb. (catillus), P. F. 142, 45, 1, 2.
Dufrenoyi, d'Orb. P. F. 200, 33, 4–6. Fr. *N.*
Dumasianus, d'Orb. Voy. Am. Mer. 69, 2, 1, 2. N. Grenada. *N.*
Dupinianus, d'Orb. P. F. 276, 81, 6, 8. Fr., G. *G.*
Durga, Forbes, G. T. 2d s. vol. vii, 104, 7, 11. India. *C.*
Dutempleanus, d'Orb. Prod. 123. Fr. *G.*
Duvalianus, d'Orb. P. F. 158, 50, 4–6. Fr. *N.*
Egertoni, Forbes, G. T. 2d s. vol. vii, 108, 8, 2. India. *C.*
Emerici, Rasp. Ann. des Sc. d'Obs. t. 3, 12, 6. Fr. *N.*
Escragnollensis, d'Orb. Prod. 65. Fr. *N.*
euomphalus, Sharpe, Foss. Moll. of Chalk, 31, 13, 4. E. *C.*
Ewaldi, Von Buch. (CERATITES), Uber ceratiten, pl. 6, f. 6–7.
falcatus, Mant. Geol. Suss. 117, 21, 6, 2. E., Fr., G. *C., U. G.*
fascicularis, d'Orb. P. F. 117, 29, 1, 2. Fr. *N.*
Ferandinus, d'Orb. P. F. 324, 76, 4, 5. E., Fr. *U. G.*
fissicostatus. Phil. Geol. Yorks. pl. 2, f. 49. G., E., Fr. *C., B.*
fissicostatus, Portl. *not Phil.* (Portlockii), Geol. Lond'y, 408.
Fittoni, d'Arc. (splendens), d'Orb. P. F. 225, 64, 1, 2.
flaccidicosta, Roem. Kreideb. Texas, 33, 1, 1. Texas. *C.*
Fleuriausianus, d'Orb. P. F. 350, 107. Fr. *U. G.*
flexuisulcatus, d'Orb. P. F. 144, 45, 3, 4. Fr. *N.*
Forbesianus, d'Orb. Prod. 213. India. *C.*
formosus, Sow. G. T. 2d s. vol. v, pl. 23, f. 7. I. ?
furcatus, Sow. in Fitt. G. T. 2d s. vol. iv, pl. 14, f. 17. E. *L. G.*
galeatus, Von Buch. Petrif. Rec. en Amer. pl. 2, f. 20. N. Grenada, Fr. (teste d'Orb.) *N.*
Galliennei, d'Orb. Prod. 190. Fr. *U. G.*
Galpini (ii), Evans & Shumard, Trans. St. Louis Acad. 1857, vol. i, p. 42. Nebraska. *C.*
Ganesa, Forbes (Crishna), G. T. 2d s. vol. vii, 103, 7, 8.
Gardeni, Baily, Q. J. G. S. vol. xi (1855), 456, 11, 3. S. Africa. *U. G.?*
Gargasensis, d'Orb. P. F. 199, 59, 5, 7. Fr. *N.*
Garudae, Forbes (Crishna), G. T. 2d s. vol. vii, pl. 7, f. 1.
Gastaldinus, d'Orb. Prod. 99. Fr. *N.*
Gaudama, Forbes, G. T. 2d s. vol. vii, 113, 10, 3. India. *C.*
Gauduasensis, d'Orb. (Guaduasensis), Ind. Prod. (per err.)
Geinitzii, d'Orb. Prod. 213. G. *C.*

geniculatus, Con. Emory's Rep. 159, 15, 2. Texas. *C.*
Gentoni, Brong. (Navicularis), Env. de Par. pl. 9, f. 6.
Gentoni, Defr. *not Brong.* (Mantelli), in Brong. Env. de Par. 86, 6, 6.
Geslinianus, d'Orb. Prod. 146. Fr. *U. G.*
Gevrilianus, d'Orb. P. F. 139, 43. Fr. *N.*
Gibbonianus, Lea, Trans. Am. Phil. Soc. vol. vii, 254. N. Grenada, Texas? (teste Marcou). *N.*
gibbosulus, d'Orb. Prod. 65. Fr. *N.*
Gollevillensis, d'Orb. Prod. 212. E., Fr. *C.*
Goodhalli, Sow. M. Con. 255. E. *L. G., U. G.*
Gossianus, Pictet (quercifolius), Env. Genèv. 48, 4, 5.
Goupilianus, d'Orb. P. F. 319, 94, 4, 5. E., Fr. *U. G.*
gracilicostata, Blainv. (fissicostatus), M. G. S. F. vol. 3, p. 100.
Grasianus, d'Orb. D. F. 141, 44. F., G. *N.*
Greenongii, Rasp. (ligatus), Ann. Sc. d'Obs. t. 3, 11, 1.
Griffithii, Sharpe, Foss. Moll. of Chalk, 28, 11, 3. E. *C.*
Guadalupae, Roem. Kreideb. Tex. 32, 2, 1. Texas. *C.*
Guaduasensis, d'Orb. Prod. 99. N. Grenada. *N.*
Guersanti (ii), d'Orb. P. F. 235, 67, 1, 4. Fr., G. *G.*
Guettardi (ii), Rasp. Ann. Sc. d'Obs. t. 3, pl. 12, f. 5. Fr. *N.*
Graysonensis, Shumard, Trans. St. Louis Acad. 1860, 593. Texas. *C.*
Halli, Meek and Hayden, 1856, Proc. Acad. Nat. Sci. p. 70. Nebraska. *C.*
Hambronii, Forbes, 1844, Q. J. G. S. vol. i, 354, 5, 4. E., Fr. *L. G.*
heliacus, d'Orb. P. F. 108, 25, 1–2. Fr. *N.*
Helius, d'Orb. P. F. 187, 57, 1, 2. Fr. *N.*
Hercules, d'Orb. Prod. 99. Fr. *N.*
hippocastanum, Sow. (Rhotomagensis), M. Con. 514.
hippocrepis, De Kay (Scaphites), 1828, Ann. N. York Lyc. vol. ii, pl. 5, f. 5.
Honnoratianus, d'Orb. P. F. 128, 37. Fr. *N.*
Hopkinsii, Forbes, 1844, Q. J. G. S. vol. i, 176. N. Grenada. *N.*
horridus, d'Orb. Prod. 100. Fr. *N.*
Huberianus, Pictet (Lyellii), Env. de Genèv. 82, 7, 7.
Hugardianus, d'Orb. P. F. 291, 86, 1, 2. F., G. *G.*
hystrix, Phil. Geol. Yorks. pl. 2, f. 44. Eng. *G.* (*Speeton Clay*).
Icenicus, Sharpe, Foss. Moll. of Chalk, 43, 19, 4. Eng. *C.*
impressus, d'Orb. P. F. 104, 52, 1, 3. Fr. *N.*

inaequalicostatus, d'Orb. P. F. 118, 29, 3, 4. Fr. *N.*
inaequaliplicatus, Shumard, Trans. St. Louis Acad. 1860, p. 591. Texas. *C.*
Inca, Forbes (ligatus), 1844, Q. J. G. S. vol. i, p. 177, f. 19 a, b.
incertus, d'Orb. P. F. 120, 30, 3, 4. Fr. *N.*
Indicus, Forbes, 1846, Q. J. G. S. vol. vii, 104, 8, 9. India. *C.*
Indra, Forbes, G. T. 2d s. vol. vii, 105, 11, 7. India. *C.*
inflatus, Sow. Min. Con. 178. E., Fr., G. *U. G., L. G.*
infundibulum, d'Orb. (Rouyanus), P. F. 131, 39, 4, 5.
Inopinus, Hebert. M. G. S. F. 2d s. vol. iv, 309, 29, 3. Fr. *C.*
inornatus, d'Orb. P. F. 183, 55, 4, 6. Fr. *N.*
intermedius, d'Orb. P. F. 128, 38, 5, 6. Fr. *N.*
interrupta (us), Brong. 1789, Enc. Meth. No. 18. E., G., Fr. *G.*
Iterianus, d'Orb. P. F. 367, 112, 6, 7. Fr., G. *G.*
Ixion, d'Orb. P. F. 186, 56, 1, 2. Fr. *N.*
Jallabertianus, Pictet. (latidorsatus), Env. de Genèv. 46, 4, 2.
Jaubertianus, d'Orb. Prod. Pal. 113. Fr. *L. G.*
Jeannotii, d'Orb. P. F. 188, 56, 3–5. Fr. *N.*
Josephinus, d'Orb. Prod. 65. Fr. *N.*
Juilleti, d'Orb. P. F. 156, 50, 1, 3. Fr. *N.*
Juilleti, Forbes, *not d' Orb.* (Darga), G. T. 2d s. vol. vii, pl. 7, f. 2.
Jukesii, Sharpe, Foss. Moll. of Chalk, 53, 23, 11. Eng. *C.*
Jurinianus, Pictet. (Timotheanus), Env. de Genev. 41, 3, 3.
Kayei, Forbes, G. T. 2d s. vol. vii, 101, 8, 3. India. *C.*
Lafresnayanus, d'Orb. P. F. 326, 97, 3–5. Fr. *U. G.*
Largilliertianus, d'Orb. (complanatus), P. F. 320, pl. 95.
laticlavius, Sharpe, Foss. Moll. of Chalk, 31, 14, 1. Eng. *C.*
latidorsatus, Mich. 1838, M. G. S. F. vol. iii, 101, 12, 9. Fr., G. *U. G., G.*
lautus, Park. G. T. vol. v, p. 58. E., Fr. *U. G., G., B.*
Leai, Forbes (Didayanus), Q. J. G. S. vol. i, p. 178.
lenticularis, Owen, *not Phil.* (lobatus), Rep., I., Wis., Minn. pl. 8, f. 5.
Leonensis, Con. Emory's Rep. 160, 16, 2. Texas. *C.*
Leopoldinus, d'Orb. P. F. 104, 22, 23. Fr. *N.*
lepidus, d'Orb. P. F. 149, 48, 3, 4. Fr. *N.*
leptophyllus, Sharpe, Foss. Moll. of Chalk, 48, 21, 2 and 22, 1. England. *C.*
Lewisensis, Mant. Geol. Suss. 199, 22, 2. E., F., G. *C., U. G.*
Lewisensis, Sow. *not Mant.* (leptophyllus), M. Con. 358.

Lewisensis, d'Orb. pars, *not Mant.* (Gollevillensis), P. F. pl. 101.
ligatus, d'Orb. P. F. 126, 38, 1–4. Fr. *N.*
lobata (us), Tuomey, 1854, Proc. Acad. p. 108. Ala., Nebraska, N. J., Miss. *C.*
Ludovicus, d'Orb. Prod. 100. Fr. *N.*
Lyelli (ii), Leym. in d'Orb. P. F. 255, pl. 74. G., Fr. *G.*
machilentus, d'Orb. P. F. 139, 42, 3, 4. Fr. *N.*
magnificus, Tuomey, 1855, Proc. Acad. vol. vii, 168. Ala. *C.*
mammilaris, Schlot. 1813, Min. Tasch. vol. vii, 111. E., G., F. *G., L. G.*
Mandanensis, Morton (SCAPH. Conradi?), Jour. Acad. 1st s. vol. viii, 208, 10, 2.
Mantellii, Sow. M. Con. 55. E., G., F. *C., U. G.*
Marciana (us), Shumard, Marcy's Rep. 209, 4, 5. Texas. *C.*
marginatus, Phil. (interruptus), Geol. Yorks. pl. 2, f. 41.
Mantellii, var. d'Orb. *not Sow.* (navicularis), P. F.
Mantellii, var. d'Orb. *not Sow.* (Couloni), P. F. 340.
Marcousianus, d'Orb. Prod. 65. Fr. *N.*
Martinii, d'Orb. P. F. 194, 58, 7–10. Fr. *N.*
Matheronii, d'Orb. P. F. 148, 48, 1–2. Fr. *N.*
Mayorianus, d'Orb. P. F. 267, 79. G., Fr. *U. G., L. G.*
Meekianus, Shumard, 1860, Trans. St. Louis Acad. 592. Texas. *C.*
Meekii, Gabb, 1861 (*binodosus* Tuomey), Ala. *C.*
Menu, Forbes, G. T. 2d s. vol. vii, 111, 10, 1. I. *C.*
Michelinianus, d'Orb. P. F. 242, 69, 3, 5. Fr. *G.*
Milletianus, d'Orb. P. F. 203, 77. G., E., Fr. *G.*
Milletianus, Sow. *not d' Orb.* (navicularis), Dixon's Geol. Suss. pl. 29, f. 15.
minimus, Brown, Foss. Conch. G. B. & I. 27, 20, 6. E. *G.*
minutus, Sow. M. Con. 53. E. *G.*
Mirapelinus, d'Orb. Prod. 124. Fr. *G.*
Mitreanus, d'Orb. Prod. 65. Fr. *N.*
monilis, Sow. (mammilaris), M. Con. 117.
Monteleonensis, Leym. M. G. S. F. 2d s. vol. iv, p. 198, pl. c, f. 3–4. Fr. *C.*
Morelianus, d'Orb. P. F. 176, 54, 1–3. Fr. *N.*
Moreauensis, Owen (SCAPH. Cheyenensis), Rep., I., Wis., and Minn. pl. 8, f. 2.
Mosensis, d'Orb. P. F. 237, 67, 5–7. Fr. *G.*
Moutonianus, d'Orb. Prod. 64. Fr. *N.*
multiplicatus, Roem., Nord. Kreid. 84, 13, 3. G. *N.*

navicularis, Mant. Geol. Suss. 198, 22, 5. E. *C.*
Nebrascensis, Owen (SCAPH. Cheyenensis), Rep., Iowa, Wis., Minn. pl. 7, f. 2.
Neocomensis, d'Orb. P. F. 202, 59, 8, 10. Fr. *N.*
Neptuni, Geinitz. 1849. Quadersand. G.
Nera, Forbes, G. T. 2d s. vol. vii, 106, 8, 7. India. *C.*
Newberryanus, Meek, 1857, Trans. Alb. Inst. vol. iv, 47. Vancouver I. *C.*
Nicolasianus, d'Orb. Prod. 65. Fr. *N.*
Nicolletii, Morton (SCAPHITES Conradi?), 1841, Jour. Acad. vol. viii, pl. 10, f. 3.
Nisus, d'Orb. P. F. 184, 55, 7–9. Fr. *N.*
nodosocostatus, d'Orb. P. F. 258, 75, 1, 4. Fr. *G.*
Noricus, Schlot. (interruptus), Petrif. 77.
Nouelianus, d'Orb. Prod. 212. Fr. *C.*
Novimexicana (us), Marcou, Geol. N. A. 35, 1, 2. New Mex. *C.*
nucleus, Phil. (interruptus), Geol. Yorks. pl. 2, f. 43.
Nutfieldiensis, Sow. (Mantellii), M. C. 108.
obtectus, Sharpe, Foss. Moll. of Chalk, 20, 7, 4. E. *C.*
Occidentalis, Lea, Trans. Am. Phil. Soc. 2d s. vol. vii, 255, 8, 4. N. Grenada. *N.*
octosulcatus, Sharpe. Ibid. 42, 19, 3. E. *C.*
opalus, Owen, Rep. Iowa, Wisconsin, Minnesota, 579, 8, 6. Nebraska. *C.*
ophiurus, d'Orb. P. F. 123, pl. 36. Fr. *N.*
Orbignyanus, Geinitz, 1839. Quadersand, pl. 4, f. 1. G. *U. G.*
Orbignyi, Gabb, 1861 (*alternatus, d' Orb*). N. Grenada. *N.*
Pailleteanus, d'Orb. P. F. 339, 102, 3–4. Fr. *U. G.*
pansus, Park. G. T. 1st s. vol. v, 57, 1, 8. E. *G., L. G.*
Papalis, d.Orb. P. F. 354, 109, 1–3. Fr. *U. G.*
Parandieri, d'Orb. P. F. 128, 38, 7–9. Fr. *G., N.*
Parisensis, Hebert, M. G. S. F. 2d s. vol. iv, 369, 29, 2. Fr. *C.*
parvus, Sow. (denarius), M. C. 449.
Pavana, Forbes, G. T. 2d s. vol. vii, 110, 7, 5. I. ?
Pedernalis, Von Buch. Uber ceratiten, 31, 6, 8, 10. Texas. (Roemer). *C.*
peramplus, Mant. Geol. Suss. 200. E., G., Fr. *C., U. G.*
percarinatus, H. & M. (Woolgari?), Mem. Acad. Boston, vol. v, 2d s. pl. 4, f. 2. Nebraska. *C.*
Perezianus, d'Orb. Prod. 99. Fr. *N.*

pertiosus, d'Orb. P. F. 193, 58, 4, 6. Fr. *N.*
Peruvianus, Von Buch. Petrif. Rec. en Amer. 5, 1, 5–7. N. Grenada. Texas according to Marcou. *N.*
Pictetianus, d'Orb. Prod. 125. Fr. *G.*
picturatus, d'Orb. P. F. 178, 54, 4, 6. Fr. *N.*
placenta, de Kay, 1827, *not Leckenby* 1858. Ann. Lyc. Nat. Hist. N. Y. vol. ii, pl. 5, f. 2. N. J., Del., Ala., Miss., Tenn., Nebraska. *C.*
placenta, var. intercalaris, Meek and Hayden, 1860, Proc. Acad. 177. Nebraska. *C.*
planidorsatus, d'Orb. Voy. dans Am. Mer. vol. iii, part 4, 72, 1, 6–9. N. Gren. *N.*
planorbis, Forbes, *not Sow.* (pumilus), G. T. 2d s. vol. vii, 115, 9, 5.
planulatus, Sow. M. Con. 570. E. *U. G.*
planus, Mant. (splendens), Geol. Suss. 90, 21, 3.
pleurisepta, Con. Emory's Rep. 159, 15, 1. Texas. *C.*
polyopsis, Dujard. M. G. S. Fr. 2, p. 232, 17, 12. Fr. *C.*
Ponticuli, Roiss. Voy. dans Russ. Mer. et Crimée, vol. ii, p. 783. Crimea. *"N." Jurassic.?*
Portlockii, Sharpe, Foss. Moll. of Chalk, 30, 13, 2, 3. Ireland. *C.*
pretiosus, d'Orb. P. F. 193, 58, 4–6. Fr. *L. G.*
proboscidens, Sow. (tuberculatus), M. Con. 310.
Prosperianus, d'Orb. (peramplus), P. F. 335, 100, 3, 4.
proteus, d'Orb. P. F. 623. Fr. *G.*
provincialis, d'Orb. Prod. 99. Fr. *N.*
pulchellus, d'Orb. P. F. 133, 40, 1, 2. Fr. *N.*
pumilus, Gabb, 1861 (TURRILITES *planorbis*, Forbes). India. *C.*
Puzosianus, d'Orb. P. F. 265, 78. Fr. *G.*
quadrisulcatus, d'Orb. P. F. 151, 49, 1–3. Fr. *N.*
quercifolius, d'Orb. P. F. 284, 83, 4, 6. Fr. *G.*
radiatus, Brug. 1789, Enc. Meth. Verst. t. 2, p. 41. Crimea, G., Fr. *N.*
ramosissimus, Tuomey, 1855, Proc. Acad. vol. vii, 168. Ala. *C.*
Ramsayanus, Sharpe, Foss. Moll. of Chalk, 51, 23, 4. Eng. *C.*
raresulcatus, Leym. in d'Orb. P. F. 288, bis. 188, 5, 7. Fr. *G.*
Raulinianus, d'Orb. P. F. 238, 68. Fr. *G.*
reconditus, Galeotti, Bull. Acad. Brux. vol. vii, p. 7, f. 9. Mex. *C.*
recticostatus, d'Orb. P. F. 134, 40, 3, 4. Fr. *N.*
regularis, Brug. Enc. Meth. 1789, No. 19. F., G. *G.*

Rembda, Forbes, G. T. 2d s. vol. vii, 111, 7, 3. India. *C.*
Renauxianus, d'Orb. P. F. 113, 27. E., Fr. *U. G., N.*
Renevieri, Sharpe, Foss. Moll. of Chalk, 44, 20, 2. E. *C.*
Requienianus, d'Orb. P. F. 317, 94, 41, 1–3. Fr. *U. G.*
Rhotomagensis, Brong. Env. de Par. 83, 4, 2. G., E., Fr. *C., G.*
Rhotomagensis, Von Buch. *not Brong.* (ANCYLOCERAS Buchianus), Petrif. Rec. 7, 1, 15.
Rioii, Galeotti, Bull. Acad. Brux. vol. vii, p. 7, 8. Mex. *C.*
Roissyanus, d'Orb. P. F. 302, 89. Fr. *G.*
rostratus, Sow. M. Con. 173. E. *C.*
rotula, Sow. M. Con. 570. E. *G. (Speeton Clay).*
Rouxianus, Pictet. (inflatus), Env. Genèv. 99, 9, 2.
Rouyanus, d'Orb. P. F. 362, 110, 3, 5. Fr. *N.*
Rouyanus, Forbes (Forbesianus), G. T. 2d s. vol. vii, 108.
Royerianus, d'Orb. P. F. 365, 112, 3, 5. Fr. *G.*
rusticus, Sow. M. C. 177. F., G., E. *C.*
Sacya, Forbes, G. T. 2d s. vol. vii, p. 113, 14, 10. India. *C.*
Safedensis, Con. Lynch's Exped. p. 227, pl. 21, f. 124. Syria. *C.*
Salteri, Sharpe, Foss. Moll. of Chalk, 50, 23, 3–5. E. *C.*
Santafecinus, d'Orb. Voy. dans Am. Mer. 70, 1, 3–4. N. Grenada. *N.*
Santonensis, d'Orb. Prod. 212. Fr. *C.*
Sartousianus, d'Orb. (galeatus), 319, 94, 45.
Saxbii, Sharpe, Foss. Moll. of Chalk, 45, 20, 3. E. *C.*
Selliguinus, Sow. M. Con. 549. E. *C., G.*
Semiornatus, d'Orb. Prod. 212. Fr. *C.*
semistriatus, d'Orb. *not Haan* (Tethys), P. F. 136, 41, 3, 4.
semisulcatus, d'Orb. P. F. 172, 53, 4–6. Fr. *N.*
Senebrianus, Pictet. Env. Genèv. 73, 6, 7. G. *G.*
Senequieri, d'Orb. (CERATITES), P. F. 292, 86, 3, 5.
Seranonis, d'Orb. P. F. 361, 109, 4–5. Fr. *N.*
serratus, Park. (interruptus), G. T. 1st s. vol. v, p. 57.
Shumardi (ii), Marcou, Geol. N. A. 33, 1, 1. Texas. *C.*
Sil(l)imani, d'Orb. Prod. 212. "Rocky Mts." *C.*
simplus, d'Orb. (verrucosus), Prod. 64, No. 29.
sinuosus, d'Orb. P. F. 206, 60, 4–6. Fr. *N.*
Siva, Forbes, G. T. 2d s. vol. vii, 110, 7, 16. India. *C.*
Smithii, Sow. M. Con. 406. E. *C.*
Soma, Forbes (Crishna), G. T. 2d s. vol. vii, 102, 7, 7.
Soutoni, Baily, Q. Jour. Geol. Soc. 1855, vol. xi, 455, 11, 1. South Africa. *U. G.*

splendens, Sow. M. Con. 103. E., G., Fr. *U. G., G.*
Stangeri, Baily, Q. J. G. S. 1855, vol. xi, 455, 11, 2. Port Natal, S. Af. *U. G.*
Stobiae, Nils. Petrif. Suec. 32, pl. 5. Sweden. *C.*
Stobieckii, d'Orb. Prod. 113. Fr. *L. G.*
strangulatus, d'Orb. P. F. 155, 49, 8–10. Fr. *N.*
striatisulcatus, d'Orb. P. F. 153, 49, 4–7. Fr. *N.*
subalpinus, d'Orb. Prod. 124. Fr. *G.*
subcomplanatus, d'Orb. Prod. 146. E. *U. G.*
subcristatus, Sow. (cristatus), M. Con. 112.
subfimbriatus, d'Orb. P. F. 121, 35. Fr. *N.*
subplanus, Park. (splendens), G. T. 1st ser. vol. v, p. 57.
subtricarinatus, d'Orb. Prod. 212. Fr. *C.*
subreniformis, d'Orb. (SCAPH. hippocripis), Prod. 214.
Sugata, Forbes, G. T. 2d s. vol. vii, 113, 10, 2. India. *C.*
Surya, Forbes, id. 106, 7, 10. India. *C.*
Sussexensis, Mant. Geol. Suss. pl. 20, f. 2, exclus. 28, 10. Eng. *C.*
Sussexensis, Mant. *pars*. (Rhotomagensis), Geol. Suss. pl. 28, f. 10.
Swallovii, Shumard, 1860, Trans. St. Louis Acad. 591. Texas. *C.*
symmetricus, Sow. (inflatus), G. T. 2d s. vol. iv, pl. 11, f. 1.
Syriacus, Von Buch (CERATITES), Act. Soc. Helvet. Genev. 1845.
syrtalis, Morton, Synopsis Cret. 40, 14, 4. Ala. *C.*
Talavignesii, d'Orb. Prod. 190. Fr. *U. G.*
tardefurcatus, Leym. in d'Orb. P. F. 248, 71, 4, 5. Fr. *N.*
telifer, Morton, Synopsis, 38, 2, 7. Del. and Ches. Canal, Del. *C.*
Tervierii, d'Orb. P. F. 179, 54, 7, 9. Fr. *N.*
Tethys, d'Orb. P. F. 174, 53, 7–9. Fr., N. Grenada. *N.*
tetrammatus, Sow. (varians), M. C. 587.
tetrasinuata, Sow. (varians).
Texanus, Roem. (Vespertinus), Kreideg. Tex. 31, 3, 1.
Timotheanus, Pictet. Env. de Genev. 39, 2, 6. Fr., G. *G.*
Tocaimensis, Lea (galeatus), Trans. Am. Phil. Soc. 2d s. vol. vii, 253, 8, 2.
Tolletianus, Pictet. Env. Genev. 109, 10, 5. Fr. *G.*
tortisulcosus, d'Orb. P. F. 162, 51, 4, 6. Fr. *N.?*
Tuomeyi, Gabb, 1861 (*carinatus*, Tuomey). Ala. *C.*
tricarinatus, d'Orb. *not Poitiez* (subtricarinatus), P. F. 307, 91, 1, 2.
tripartitus, Rasp. (SCAPH. Ivanii), Ann. Sc. d'Obs. vol. iv, pl. 2, f. 24.
triserialis, Sow. in Fitt. G. T. 2d s. vol. iv, pl. 18, f. 27. E. *U. G.*

tuberculatus, Sow. M. C. 318. E., Fr. *G.*
tuberculifera, Lam. (mammilaris), An. S. Vert. t. 2, 639.
Umbulazi, Baily, Quart. J. G. S. 1855, vol. xi, 456, 11, 4. Port Natal, S. Af. *U. G.*
undatus, Sow. M. Con. 570. E. *C.*
Vandeckii, d'Orb. Prod. 99. Fr., N. Grenada. *N.*
Vanuxemi, Morton (young of Delawarensis), Synopsis, 38, 2, 34.
Vanuxemensis, Lea, Trans. Am. Phil. Soc. 2d s. vol. vii, 254, 8, 5. N. Gren. *N.*
varians, Sow. M. Con. 176. E., Fr., G., Crimea. *C., U. G.*
varians, Sow. *pars.* (Coupei), M. Con. 176. Middle and upper figures.
varicosus, Sow. M. Con. 451. E., Fr., G. *U. G., G.*
Varuna, Forbes (India), G. T. 2d s. vol. vii, 107, 8, 5.
Vectensis, Sharpe, Foss. Moll. of Chalk, 45, 20, 4. E. *C.*
Velledae, Mich. 1834, Mag. de Zool. pl. 35. Fr., E. *G.*
ventrocinctus, Quenst. (Agassizianus), pl. 17, f. 14.
venustus, Phil. (fissicostatus), Geol. York. pl. 2, f. 48.
Verneiulianus, d'Orb. P. F. 329, 98, 3–5. Fr. *U. G.*
verrucosus, d'Orb. P. F. 191, 58, 1–3. Fr. *N.*
versicostatus, Mich. M. G. S. F. 1838, 101, 12, 10. Fr. *G.*
Vespertinus, Morton, Synopsis, 40, 17, 1. Ark., Mo., Texas, N. Mexico, Ind. Terr. *C.*
Vibrayeanus, d'Orb. (CERATITES), P. F. 322, 96, 1–3.
Vibrayeanus, Geinitz, *not d' Orb.* (Geinitzii), Nacht. Kreid. p. 8, 1, 8.
Vielbancii, d'Orb. (Cenomanensis), Prod. 189.
Wiestii, Sharpe, Foss. Moll. of Chalk, 47, 21, 3. E. *C.*
Wiltonensis, Sharpe, id. 55, 23, 10. E. *C.*
Woolgari, Mant. Geol. Suss. 197, 21, 16. E., Fr. (Nebraska?). *C.*
Woolgari, d'Orb. *not Mant.* (Cenomanensis), P. F. 108, 1, 3.
Yama, Forbes, G. T. 2d s. vol. vii, 107, 7, 4. India. *C.*
Ubaquensis, Karst. Geognost. Verhalt. N. Gren. pl. 1, f. 8. N. Gren. *N.*
Nöggerathii, Karst. id. pl. 1, f. 6. N. Grenada. *N.*
Caquesensis, Karst. id. pl. 1, f. 7. N. Gren. *N.*
Trionae, Karst. id. pl. 2, f. 3. N. Gren. *N.*
Roseanus, Karst. id. 2, 4. N. Gren. *N.*
Leonhardianus, Karst. id. 2, 5. N. Gren. *N.*
galeatoides, Karst. id. 3, 1. N. Gren. *N.*
Caicedi, Karst. id. 3, 2. N. Gren. *N.*

Lindigii, Karst. id. 3, 3. N. Gren. *N.*
Codozzianus, Karst. id. 4, 5. N. Gren. *N.*
Treffryanus, Karst. id. 4, 1. N. Gren. *N.*
Toroanus, Karst. id. 4, 2. N. Gren. *N.*
Ospinae, Karst. id. 4, 3. N. Gren. *N.*
Mosquerae, Karst. id. 4, 4. N. Gren. *N.*
Barbacoensis, Karst. id. 4, 6. N. Gren. *N.*

AMMONCERATITES, Lam. 1809.

Conradi, Morton (HELICOCERAS), 1841, Proc. Acad. Phila. vol. i, p. 109.

ANCYLOCERAS, d'Orb. 1840.

annulatus, Shumard, Trans. St. Louis Acad. 1860, p. 594. Texas. *C.*
approximans, Con. Proc. Acad. 1855, vol. vii, 266. Ark. *C.*
Arduenensis, d'Orb. Prod. 147. Fr. *U. G.*
armatus, Sow. Sp. (**Hamites**), d'Orb. P. F. 547, 135. G., E., Fr. *C., U. G., G.*
Asterianus, d'Orb. Prod. 101. Fr. *N.*
Beanii, Phil. Sp. (**Hamites**), d'Orb. Prod. 114. E. *G.*
Beyrichii, Karst. Geog. Verh. N. Gren. pl. 1, f. 4. N. Grenada. *N.*
brevis, d'Orb. P. F. 508, 127, 5–7. Fr. *N.*
Buchianus, d'Orb. Prod. 101. N. Grenada. *N.*
cinctus, d'Orb. P. F. 502, 125, 1, 4. Fr. *N.*
cinctus, d'Orb. pars (HAMULINA), P. F. pl. 125.
? *Cheyennensis*, Meek & Hayden (HELICOCERAS), Proc. Acad. 1856, p. 71.
Cornuelianus, d'Orb. Prod. 114. Fr. *L. G.*
dilatatus, d'Orb. P. F. 494, 121, 1–2. Fr. *N.*
Duvalianus, d'Orb. P. F. 500, pl. 124. Fr. *N.*
ellipticus, Mant. Sp. (**Hamites**), d'Orb. Prod. 147. E., Fr., G. *C., U. G.*
Emerici, Léveillé Sp. (**Crioceras**), d'Orb. Prod. 101. G., E., Italy, Fr. *N.*
furcatus, d'Orb. P. F. 509, 127, 8–11. Fr. *N.*
gigas, Sow. Sp. (**Hamites**), d'Orb. Prod. 114. E., Fr. *G.*
grandis, Sow. Sp. (**Hamites**), d'Orb. Prod. 114. E. *G.*
Heberti, Gabb, 1861 (*spinatus*, Heb.). Fr. *C.*

Hillsii, Sow. Sp. (**Scaphites**), d'Orb. P. F. p. 494. E. *G.*
Humboldtianus, Lea, Sp. (**Orthocera**), Forbes, Q. J. G. S. vol. i, 174. N. Gren. *N.*
intermedius, Phil. Sp. (**Hamites**), d'Orb. P. F. 494. E. *G.*
Matheronianus, d'Orb. P. F. 497, 122. Fr., Strait of Magellan. *G.*
Moreausianus, d'Orb. Prod. 147. Fr. *U. G.*
? *Mortoni*, Hall & Meek (HELICOCERAS), Mem. Boston Acad. vol. v, 396, 4, 3.
? Nicolleti (ii), H. & M. Mem. Boston Acad. 2d s. vol. v, 397, 4, 4. Nebraska. *C.*
? *Nebrascensis*, Meek & Hayden (HELICOCERAS), 1856, Proc. Acad. p. 71.
Orbignyanus, Math. 1843, Cat. 265, 41, 1–2. Fr. *L. G.*
ornatus, d'Orb. Prod. 101. Fr. *N.*
Perezianus, d'Orb. Prod. 101. Fr. *N.*
pulcherrimus, d'Orb. *not Quenst.* P. F. 495, 121, 3, 7. Fr., G. *N.*
pulcherrimus, Quenstedt (Puzosianus), pl. 21, f. 1.
pulchellus, d'Orb. P. F. 511. Fr. *N.*
Puzosianus, d'Orb. P. F. 506, 127, 1–4. Fr. *N.*
Renauxianus, d'Orb. (gigas), P. F. 499, 123.
Safedensis, Con. Lynch's Exped. 227, 23, f. 117–118. Syria. *C.*
Saussureanus, Pictet, Sp. (**Hamites**), d'Orb. Prod. 125. Fr. *G.*
sexnodosus, Roem. Sp. (**Hamites**), d'Orb. Prod. 65. G. *N.*
simplex, d'Orb. P. F. 503, 125, 5–8. Fr. *N.*
spinatus, Hebert, *not Beaug. & Sauzé*, 1843 (Heberti), M. G. S. F. 370, 29, 6.
Spiniger, Sow. Sp. (**Hamites**), d'Orb. Prod. 125. E. *G.*
tenuisulcatus, Forbes, Sp. (**Hamites**), d'Orb. Prod. 214. India. *C.*
? uncus, M. & H. 1858, Proc. Acad. Phil. p. 56. Nebraska. *C.*
varians, d'Orb. (Matheronianus), P. F. 504, 126.

Aptychus, Von Meyer, 1831 (TRIGONELLITES,* Park. 1811).

Cheyennensis, Meek & Hayden (TRIGONELLITES), Proc. Acad. 1860, 421.
crassus, Hebert (TRIGONELLITES), M. G. S. Fr. 368, 28, 8.

* The generic name, given by Parkinson in "Organic Remains," vol. iii, p. 184, must take precedence of the name *Aptychus* ordinarily used. The type is *T. lata*, and is well figured, although the author did not know where to place it in the classification. There has been considerable doubt in regard to the nature of "Aptychus." D'Orbigny considered it a pedunculated cirrhipede; but it is now generally believed to be the operculum of Ammonites.

fragilis, M. & H. (TRIGONELLITES), Proc. Acad. 1816, 421.
Gollevilliensis, Sharpe (TRIGONELLITES), Foss. Moll. of Chalk, 56, 24, 5.
Icenicus, Sharpe (TRIGONELLITES), ibid. 57, 24, 7.
insignis, Hebert (TRIGONELLITES), M. G. S. F. 2d s. vol. iv, 367, 28, 6.
leptophyllus, Sharpe (TRIGONELLITES), Foss. Moll. of Chalk, 55, 24, 1.
obtusus, Heb. (TRIGONELLITES), M. G. S. F. 2d s. vol. iv, 367, 28, 7.
peramplus, Sharpe (TRIGONELLITES), Foss. Moll. of Chalk, 58, 24, 10.
Portlockii, Sharpe (TRIGONELLITES), ibid. 56, 24, 2–4.
rugosus, Sharpe (TRIGONELLITES), ibid. 57, 24, 8.

BACULINA, d'Orb. 1847.

Rouyana, d'Orb. Prod. 66. Fr. *N.*

BACULITES, Lam. 1799.

anceps, Lam. An. Sans. Vert. vol. vii, 648. E., F., G., Sweden, Chili, India, N. Jersey, Del., Ala., Miss., Tenn. *C.*
annulatus, Con. Proc. Phil. Acad. vol. vii, 265. Texas. *C.*
asper, Morton, Synopsis Cret. 48, 1, 12–13. Ala. *C.*
asperoides, Meek & Hayden, 1860, Proc. Acad. 421. Neb. *C.*
baculoides, Mant. Geol. Suss. 123, 23, 6, 7. E., F., G., Sw. *C.*
carinatus, Morton (anceps), Syn. 44, 13, 1.
columna, Morton (HAMITES), Syn. 44, 19, 8.
compressus, Say, 1821, Am. Jour. Sci. vol. ii, p. 41. N. J., Del., Ala., Miss., Tenn., Nebraska. *C.*
cylindracea, Defr. (HAMITES), Dict. Sc. Nat. p. 160, t. 4.
dissimilis, Desm. (anceps), Jour. de Phys. p. 48, pl. 85, pl. 2, f. 4–6.
Faujasii, Haan, Mon. Am. et Goniat, p. 155. E., G., Sw., Fr. *M.*, *C.*
gigas, Rouss. Voy. dans Russ. Mer. vol. ii, 784, 12, 3. Crimea. *C.*
gracilis, Shumard, Trans. St. Louis Acad. 1860, 596. Texas. *C.*
grandis, H. & M. Mem. Am. Acad. Boston, vol. v, 402, pl. 6, 7, and 8. Nebraska. *C.*
incurvatus, Dujard, N. G. S. F. vol. ii, 232, 118, 1–3. Fr. *C.*
labyrinthicus, Morton, Synopsis, 44, 13, 10. Ala. *C.*
Lyelli, d'Orb. Voy. Astrolabe et Zelée, pl. 4, f. 3–7. Chili. *C.*
magnum, Woodw. Geol. Norf. p. 49. E. *C.*

Neocomensis, d'Orb. P. F. 560, 138, 1–5. G., Fr. *N.*
obliquatus, Sow. (baculoides), M. Con. 592.
ovatus, Say, 1829, Jour. Acad. Nat. Sci. 1st s. vol. vi, pl. 5, f. 5–6. U. S., N. J. *C.*
ornata, d'Orb. (vagina), Voy. Astrolabe, pl. 3, f. 2.
sulcatus, Baily, Q. J. G. S. 1855, vol. xi, 457, 11, 5. Port Natal, S. Af. *U. G.*
Spillmani, Con. (anceps), 1858, Jour. Acad. 2d s. vol. iii, 335, 35, 24.
Syriacus, Con. Lynch's Exped. 227, 20, 121. Syria. *C.*
teres, Forbes, G. T. 2d s. vol. vii, p. 114, 10, 5. India. *C.*
Tippaensis, Con. (asper), Jour. Acad. 2d s. vol. iii, 334, 35, 27.
undulatus, d'Orb. Prod. 190. Fr. *U. G.*
vagina, Forbes, G. T. 2d s. vol. vii, 114, 10, 4. India. *C.*
vagina, Forbes (Lyelli), in Darwin, S. A. pl. 5, f. 3.
Granatensis, Karst. Geog. Verhält. N. Gren. pl. 2, f. 1. N. Gren. *N.*
Maldonadi, Karst. id. pl. 2, f. 2. N. Gren. *N.*

BELEMNITELLA, d'Orb. 1840.

Americana, Morton, Sp. (mucronata), Gabb Cat. Cret. p. 4.
bulbosa, M. & H. 1856, Proc. Acad. vol. viii, p. 70. Nebraska. *C.*
lanceolata, Schlot. Sp. (**Belemnites**), Sharpe, Foss. Moll. of Chalk, p. 7, pl. 1, f. 4–6. Eng., Fr., Russia. *C.*
mucronata, Schlot. Sp. (**Belemnites**), d'Orb. P. F. vol. i, p. 6. pl. 11. Everywhere. *C.*
mucronata, *var fusiformis*, d'Orb. (lanceolata), Geol. Russ. vol. ii, pl. 43, f. 2, 3.
plena, Blainv. Sp. (**Belemnites**), Sharpe, Foss. Moll. of Chalk, 9, 1, 12–16. Fr., E. *C.*
quadrata, Blainv. Sp. (**Belemnites**), d'Orb. P. F. pl. 6, f. 5–10. E., G., Fr. *C.*
subventricosa, d'Orb. Pal. Univers. pl. 31, f. 7, 12. Sw. *C.*
vera, d'Orb. (plena), P. F. Supp. t. 2.

BELEMNITES, Agricola (Cuv. 1817).

? *ambiguus*, Morton (is a "*fish spine*," fide Leidy), Synopsis, 35, 1, 4, 5.
Americanus, Morton (BELEMNITELLA mucronata), Synopsis, 34, 1, 1–3.

Listeri, Mant. (minimus), Geol. Suss. pl. 19, f. 18.
attenuatus, Sow. (minimus), Min. Con. 589.
minimus, Lister, Hist. Anim. Angl. 228, 32. G., E., Fr. *C.*, *G.*
lanceolatus, Schlot. Sow. (BELEMNITELLA plena), M. C. 600.
granulatus, Blainv. (BELEMNITELLA quadrata), Mem. Sur. Belem. p. 63.
electrinus, Miller (BELEMNITELLA mucronata), Obs. on Belem. 61, 8, 2.
mucronatus, Schlot. (BELEMNITELLA mucronata), Petrifacten, p. 47.
Allani, Fleming (BELEMNITELLA mucronata), Brit. Anim. 240.
fibula, Forbes, G. T. 2d s. vol. vii, 119, 9, 3. India. *C.*
dilatatus, Blainv. Mem. sur Belem. 99, 3, 13. G., Fr. *N.*
polygonalis, Blainv. (dilatatus), ibid. 121, 5, 11.
Emerici, Raspail (dilatatus), Hist. Nat. Belem. 33, 6, 1.
pileus, Rasp. " " " 34, 6, 2.
affinis, Rasp. " " " 34, 6, 4–5.
binervius, Rasp. " " " 34, 6, 6.
acinaciformis, Rasp. " " " 35, 6, 8.
truncatus, Rasp. " " " 35, 6, 9.
distans, Rasp. " " " 35, 6, 7.
linearis, Rasp. " " " 36, 6, 11.
elegans, Rasp. " " " 36, 6, 10.
anomalus, Rasp. " " " 36.
variegatus, Rasp. " " " 41, 7, 55.
formosus, Rasp. " " " 41, 7, 58.
apiculatus, Rasp. " " " 42, 7, 56.
convexus, Rasp. " " " 42, 7, 57.
sinuatus, Rasp. " " " 42, 7, 59.
spathulus, Rasp. " " " 42, 7, 61.
ellipsoides, Rasp. " " " 43, 7, 48.
complanatus, Rasp. " " " 43, 7, 63–64.
pisciformis, Rasp. " " " 43, 7, 65.
delphinus, Rasp. " " " 44, 7, 47.
bifurcatus, Rasp. " " " 44, 7, 67.
angustus, Rasp. " " " 44, 7, 66.
amorphus, Rasp. " " " 44, 7, 49.
triqueter, Rasp. " " " 44, 7, 46.
pseudoformosus, Rasp. " " " 45, 8, 83.
emarginatus, Rasp. " " " 45, 7, 50–51.
difformis, Rasp. " " " 45, 7, 54.
mitra, Rasp. " " " 45, 7, 53.

mitraeformis, Rasp (dilatatus) Hist. Nat. des Belem., 46, 7, 52.
personae-tonsoria, Rasp. " " " 46.
Honorati, Rasp. " " " 46.
bipartitus, Blainv. Mem. sur Belem. Supp. 113, 5, 19. G., Fr. *N.*
bicanaliculatus, Blainv. id. 120, 5, 8. Fr. *N.*
bicanaliculatus, Blainv. *pars* (bipartitus), M. Sur. Belem. 120, 5, 9.
latus, Blainv. M. Sur. Belem. 121, 5, 10. Fr., G. *N.*
conicus, Blainv. (latus *young*), M. S. Bel. 118, 5, 4.
subfusiformis, Rasp. H. Nat. Bel. 55, 8, 93. G., E., Fr. *N.*
pistiliformis, Blainv. M. Sur. Belem. 98, 5, 14. F. *N.*
crassior, Rasp. (pistiliformis), Hist. N. Bel. 57, 8, 84.
crassissimus, Rasp. (pistiliformis), id. 57, 8, 85.
Baudouinii, d'Orb. P. F. 54, 5, 1–2. E., Fr. *N.*
semicanaliculatus, Blainv. M. Sur. Bel. 67, 1, 13. E., Fr. *N.*
striatus, Blainv. (BELEMNITELLA quadrata), M. S. B. 61, 1, 11.
quadratus, Blainv. (BELEMNITELLA quadrata), id. 62, 4, 1.
isosceles, Duval, Belem. 46, 1, 9–16. Fr. *N.*
trabiformis, Duval, Belem. 48, 2, 8–14. Fr. *N.*
subquadratus, Roem. in d'Orb. Pal. Univers. pl. 71. F., G. *N.*
hybridus, Duval, Belem. p. 51, pl. 3. Fr. *U. G.*
sicyoides, Duval, Belem. 49, 2, 15–20. Fr. *N.*
Grasianus, Duval. Belem. 63, 7, 1–4. Fr. *N.*
Orbignyanus, Duval, Belem. 65, 8, 4–6. Fr. *N.*
platyurus, Duval, Belem. 73, 11, 1–4. Fr. *N.*
voluminus, Brown (B. mucronata?), Foss. Conch. G. B. 42, 29, 10. E.
ultimus, d'Orb. P. F. Supp. p. 24. Fr., E. *G.*
plenus, Blainv. (BELEMNITELLA), Belem. pl. 1, f. 6.
minaret, Rasp. in d'Orb. Pal. Univers. pl. 75, Terr. Cr. Supp. pl. 10. Fr. *N.*

BELEMNON.

pustulatum, König. (BELEMNITELLA quadrata), Icon. Foss. Sect. No. 216.

CERATITES, de Haan, 1825.

Ewaldi, Von Buch, sp. (**Ammonites**), d'Orb. Prod. 190, Fr. *C.*
radiatus, de Haan (AMMONITES), Mem. Am. et Goniat, p. 156.
Robini, Thiollière, sp. (**Ammonites**), d'Orb. Prod. 190. Fr. *C.*

Seniquieri, d'Orb. (**Ammonites**), Prod. 122. Fr. *G.*
Syriacus, Von Buch, Sp. (**Ammonites**), d'Orb. Prod. 145. Syria. *U. G.*
Vibrayeanus, d'Orb. (**Ammonites**), Prod. 145. Fr. *U. G.*

CONOTEUTHIS, d'Orb. 1839.

Dupinianus, d'Orb. Pal. Univers. pl. 30. Fr. *L. G.*

CRIOCERATITES, Lev. 1836. **Crioceras**, d'Orb. 1841.

Conradi, Morton, Sp. (HELICOCERAS), Con. Proc. Acad. vol. vii, 226.
Alpinus, d'Orb. Prod. 100. Fr. *N.*
Asterianus, d'Orb. P. F. 468, 115 bis. 3, 5. Fr. *G.*
Bowerkanksii, Sow. (SCAPHITES), G. T. 2d s. vol. v, 410, 34, 1.
Cornuelianus, d'Orb. P. F. 465, 115, 1, 3. Fr. *N.*
cristatus, d'Orb. P. F. 467, 115, 5–8. Fr. *G.*
Duvalii, Lev. M. G. S. F. 2d s. vol. iii, 313, 22, 1. Fr., G., S. A. *N.*
Emericii, Lev. (ANCYLOCERAS), M. G. S. F. 2d s. vol. iii, pl. 23, f. 1.
Darii, de Zigno (A. Emericii), Mem. sobre due Foss.
Fournetii, Duval (A. Emericii), An. Sc. Agric. t. 2, pl. 1.
plicatilis, Phil. Sp. (**Hamites**), d'Orb. Prod. 114. E. *G.*
Vaucherianus, Pictet, Env. Genèv. 111, 12, 1. Fr. *G.*
Villiersianus, d'Orb. P. F. 462, 114, 1, 2. Fr. *N.*

GLOBITES, de Haan, 1825.

constrictus, Sow. Sp. (SCAPHITES), Haan, Mon. Am. et Gon. p. 144.

HAMITES, Park. 1811.

Acteon, d'Orb. Prod. 126. Fr. *G.*
aculeatus, Sow. (ANCYLOCERAS spiniger), G. T. 2d s. vol. iv, 367, note.
acuticostatus, d'Orb. (Indicus), Voy. Astrolabe, pl. 3, f. 9–12.
adpressus, Sow. (PTYCHOCERAS), M. Con. 61.
alternatus, Mant. (ANCYLOCERAS armatus), Geol. Suss. 122, 3, 10.
armatus, Sow. (ANCYLOCERAS armatus), M. Con. 168.
alternotuberculatus, Leym. in d'Orb. P. F. 538, 132, 5, 10. Fr. *G.*
annulifer, Morton (SOLENOCERAS), Jour. Acad. 1st s. vol. viii, pl. 11, f. 4.

arculus, Morton, Synopsis, 44, 15, 1–2. Ala. *C.*
armatus, Geinitz, *not Sow.* (HELICOCERAS).
attenuatus, Sow. *not Mant.* M. Con. 61. E., Fr., G. *G.*
attenuatus, Mant. *not Sow.* (simplex), Geol. Suss. 23, 8, 9.
baculoides, Mant. (BACULITES).
Beanii, Phil. (ANCYLOCERAS), Geol. York. 95, 1, 28.
Beanii, Roem. (HAMULINA Roemeri), Nord. Kreid. 93, 13, 11.
biplicatus, Roem. Nord. Kreid. 93, 14, 11. G. *U. G.*
Bouchardianus, d'Orb. P. F. 540, 132, 11, 13. Fr. *G.*
Bucklandii, Phil. Geol. York. pl. 1. E. *G.*
capricornu, Roem. (AMM. subcapricornu), Kreid. 92, 14, 6.
Carolinus, d'Orb. Prod. 215. Fr. *C.*
Charpentieri, Pictet, Env. Genèv. 131, 14, 2–4. Fr. *G.*
columna, Morton, Sp. (**Baculites**), d'Orb. Prod. 215. Ala. *C.*
compressus, Sow. (attenuatus), M. Con. 61.
consobrinus, d'Orb. Prod. 216. G. *C.*
constrictus, d'Orb. Voy. Astrolabe, pl. 3, f. 7, 8. India. *C.*
cylindraceus, Defr. Dict. Sc. Nat. t. 3, p. 160. Fr. *G.*
cylindricus, Defr. (cylindraceus), D. Sc. N. f. 1.
decurrens, Roem. (HAMULINA), Kreid. 92, 14, 9.
Degenhardtii, Von Buch (HAMULINA), Petrif. Rec. en Am. 17, 2, 23–25.
Desorianus, Pictet, Env. Genèv. 125, 12, 8–9. Fr. *G.*
dissimilis, d'Orb. (HAMULINA), P. F. 529, 130, 4, 7.
dubius, d'Orb. Prod. 147. Fr. *U. G.*
elegans, Park. *not d' Orb.* G. T. 1st ser. vol. v, 58. E. *G.*
elegans, d'Orb. *not Park.* (subelegans), P. F. 542, 133, 1–5.
ellipticus, Mant. (ANCYLOCERAS), Geol. Suss. 23, 9.
ellipticus, Geinitz (Geinitzii), Kreid.
Emericianus, d'Orb. (HAMULINA), P. F. 530, 130, 8–12.
Favrinus, Pictet, Env. Genèv. 124, 12, 5–7. Fr. *G.*
flexuosus, d'Orb. P. F. 535, 131, 14–16. Fr. *G.*
Fremonti (ii), Marcou, Geol. N. A. 36, 1, 3. Texas. *C.*
funatus, Brong. (attenuatus), Env. Paris, pl. 7, f. 7.
Geinitzii, d'Orb. (*ellipticus* Gein.), Prod. 215.
gibbosus, Sow. (rotundus), M. Con. 62.
gigas, Sow. (SCAPHITES), M. Con. 593, f. 2.
gracilis, d'Orb. (**Toxoceras**), Prod. 190. Fr. *C.*
grandis, Sow. (ANCYLOCERAS), M. Con. 593.
hamus, Quenst. (HAMULINA), pl. 21, f. 3–4.
incertus, d'Orb. (HAMULINA?), P. F. 528, 130, 1–3.

Indicus, d'Orb. (ANCYLOCERAS tenuisulcatus), Voy. Astrolabe, pl. 1, f. 13–14.
Indicus, Forbes, G. T. 2d s. vol. vii, 116, 11, 4. India. *C.*
intermedius, Phil. (ANCYLOCERAS), Geol. Yorks. 95, 1, 22.
intermedius, Roem. (Indicus, Forbes), Nord. Kreid. 92, 13, 15.
intermedius, Geinitz (strangulatus), Kreid. 68, 17, 35.
Ixyon, d'Orb. Prod. 126. Fr. *G.*
largesulcatus, Forbes, G. T. 2d s. vol. vii, 117, 11, 1. I. *C.*
larvatus, Con. Proc. Acad. vol. vii, 1855, p. 265. Texas. *C.*
maximus, Sow. (rotundus), M. Con. 62.
Mortoni, Hall & Meek (HELICOCERAS), Mem. Am. Acad. Boston, 2d s. vol. v, pl. 4, f. 3.
Neptuni, d'Orb. Prod. 126. Fr. *G.*
Nereis, Forbes, G. T. 2d s. vol. vii, 117, 10, 7. I. *C.*
nodosus, Sow. M. Con. 216. E. *G.*
obliquicostatus, Roem. (HAMULINA), Kreid. 93, 13, 12.
Orbignyanus, Forbes (HAMULINA), Q. J. G. S. vol. i, 175.
Phillipsii, Bean (SCAPHITES), Phil. Geol. York. 95, 1, 30.
plicatilis, Phil. (CRIOCERATITES), Geol. York. 95, 1, 29.
plicatilis, Reuss. (Reussianus), Böhm. Kreid. 23, 7, 5, 6.
plicatilis, Roem. (TURRILITES), Nord. Kreid. 94, 14, 7.
punctatus, d'Orb. P. F. 532, 131, 6–8. Fr. *G.*
Puzosii, Lev. (ANCYL. Puzosianus), M. G. S. F. vol. ii, 315.
raricostatus, Roem. (HAMULINA subraricostata), Kreid. 93, 13, 14.
raricostatus, Phil. (H. raricostata), Geol. York. pl. 1, f. 23.
Raulinianus, d'Orb. P. F. 546, 134, 5–11. Fr., G. *G.*
rotundatus, Con. 1855, Proc. Acad. vol. vii, 266. Texas. *C.*
rotundus, Sow. M. Con. 61. E. *G.*
rotundus, d'Orb. (Carolinus), Bull. G. S. F. 1st s. vol. vii, 282.
rotundus, Geinitz (consobrinus), Kreid. 12, 7, 41.
Royerianus, d'Orb. (HAMULINA), P. F. 531, 131, 1–5.
rugatus, Forbes, G. T. 2d s. vol. vii, 117, 11, 2. India. *C.*
Sablieri, d'Orb. P. F. 543, 133, 6–10. Fr. *G.*
simplex, d'Orb. P. F. 550, 134, 12–14. Fr. *U. G.*
simplex, d'Orb. (subcompressus), Voy. Astrolabe, pl. 3, f. 15–17.
spiniger, Sow. (alternatus), M. C. 216.
Studerianus, Pictet, Env. Genèv. 137, 15, 1–4. Fr. *G.*
subcompressus, Forbes, G. T. 2d s. vol. vii, 116, 11, 6. India. *C.*
subelegans, Gabb, 1861 (*elegans*, d'Orb.). Fr. *G.*
subnodosus, Roem. (HAMULINA), Kreid. 93, 13, 10.
semicinctus, Roem. (HAMULINA), Kreid. 92, 15, 2.

tenuisulcatus, Forbes (ANCYLOCERAS), G. T. 2d s. vol. vii, 116, 11, 3.
tenuis, Sow. (attenuatus), M. Con. 61.
torquatus, Morton, Synopsis, 45, 15, 4. Ala. *C.*
trabeatus, Morton, Synopsis, 45, 15, 3. Ala. *C.*
trinodosus, Geinitz, 1849. Quadersands. G.
tuberculatus, Sow. (alternatus), M. Con. 216.
turgidus, Sow. (alternatus), M. C. 216.
undulatus, Forbes, G. T. 2d s. vol. vii, 118, 10, 6. India. *C.*
virgulatus, Brong. Env. de Par. 99, 7, 6. Fr., G. *G.*

HAMULINA, d'Orb. 1849.

Alpina, d'Orb. Prod. 102. Fr. *N.*
Astieriana, d'Orb. Prod. 102. Fr. *N.*
cincta, d'Orb. (**Ancyloceras**), Prod. 102. Fr. *N.*
decurrens, Roem. Sp. (**Hamites**), d'Orb. Prod. 66. G. *N.*
Degenhardtii, Buch, Sp. (**Hamites**), d'Orb. Prod. 102. N. Grenada. *N.*
dissimilis, d'Orb. (**Hamites**), Prod. 102. Fr. *N.*
Emericiana, d'Orb. (**Hamites**), Prod. 66. Fr. *N.*
hamus, Quenst. Sp. (**Hamites**), d'Orb. Prod. 102. Fr. *N.*
? incerta, d'Orb. (**Hamites**), Prod. 66. Fr. *N.*
obliquecostata, Roem. Sp. (**Hamites**), d'Orb. Prod. 66. G. *N.*
raricostata, Phil. Sp. (**Hamites**), d'Orb. Prod. 115. E. *G.*
Roemeri, d'Orb. Prod. 66. G. *N.*
Royeriana, d'Orb. (**Hamites**), Prod. 115. Fr. *G.*
semicincta, Roem. Sp. (**Hamites**), d'Orb. Prod. 66. G. *N.*
subcylindrica, d'Orb. Prod. 102. Fr. *N.*
subnodosa, Roem. Sp. (**Hamites**), d'Orb. Prod. 66. G. *N.*
subraricostata, d'Orb. Prod. 66. G. *N.*
subundulata, d'Orb. Prod. 102. Fr. *N.*
Varusensis, d'Orb. Prod. 102. Fr. *N.*

HELICOCERAS, d'Orb. 1842.

annulatum, d'Orb. P. F. 161, 148, 7–9. Fr. *G.*
armatum, Geinitz, Sp. (**Hamites**), d'Orb. Prod. 216. G. *C.*
Asterianum, d'Orb. Prod. 127. Fr. *G.*
Conradi, Morton, Sp. (**Ammonceratites**), Gabb, 1861. N. J. *C.*
depressus, d'Orb. Prod. 127. Fr. *G.*

elegans, d'Orb. Prod. 127. Fr. *G.*
gracilis, d'Orb. P. F. 612, 148, 10–15. Fr. *G.*
interruptum, d'Orb. Prod. 102. Fr. *N.*
Moutonianum, d'Orb. Prod. 127. Fr. *G.*
obliquatum, d'Orb. Prod. 127. Fr. *G.*
plicatilis, d'Orb. Prod. 127. Fr. *G.*
polyplocum, Geinitz, Sp. (**Turrilites**), d'Orb. Prod. 216. G. *C.*
tuberculatum, d'Orb. Prod. 127. Fr. *G.*
Varusensis, d'Orb. Prod. 102. Fr. *N.*
Mortoni, H. & M. Sp. (**Hamites**), Meek & Hayden, 1860, Proc. Acad. p. 421. Nebraska.* *C.*
tenuicostatum, Meek & Hayden (Mortoni), 1856, Proc. Acad. p. 56.
cochleatum, M. & H. ("**Turrilites** (HELICOCERAS)"), Proc. Acad. 1860, p. 185. Nebraska. *C.*
Nebrascense, M. & H. (**Ancyloceras?**), Proc. Acad. 1860, p. 421. Neb. *C.*
tortum, M. & H. 1858, Proc. Acad. 54. Nebraska. *C.*
Cheyennense, M. & H. (**Ancyloceras?**), Proc. Acad. 1860, p. 421. Neb. *C.*
angulatum, M. & H. Proc. Acad. 1860, p. 176. Nebraska. *C.*
umbilicatum, M. & H. (**Turrilites?**), Proc. Acad. 1860, 185. Neb. *C.*

HETEROCERAS, d'Orb. 1847.

Emericianus, d'Orb. (**Turrilites** *Emerici*), Prod. 102. Fr. *N.*
polyplocus, Roem. Sp. *not Gein.* (**Turrilites**), d'Orb. Prod. 216. G. *C.*

LINDIGIA, Karst. 1856.

helicoceroides, K. Geog. Verhält. N. Grenada's, pl. 1, f. 5. N. Grenada. *N.*

MEGASIPHONIA, d'Orb. 1847.

orbiculata, Tuomey, Sp. (**Nautilus**), Gabb, 1861. (**Nautilites,** *Con.* 1858, *Gabb,* 1859). Ala. *C.*

* I received a copy of Meek and Hayden's paper in advance of the regular issue, but still so late as to be unable to insert their species in the proper place.

NAUTILUS, Breyn. 1732.

Alabamensis, Morton (MEGASIPHONIA), Synopsis. Tertiary (Eocene).
Albensis, d'Orb. Prod. 122. Fr. *G.*
angulus, Tuomey, 1855, Proc. Acad. vol. vii, 167. Ala. *C.*
angulites, Schlot. (triangularis), Petrif. 84.
Archiacianus, d'Orb. (expansus), P. F. 99, pl. 21.
Astierianus, d'Orb. Prod. 122. Fr. *G.*
Bouchardianus, d'Orb. P. F. 75, 13. G., Fr. *G.*
Charpentieri, Leym. M. G. S. F. 2d s. vol. iv, 198, pl. c, f. 2. Fr. *C.*
Clementinus, d'Orb. P. F. p. 77, pl. 13, bis Fr. *G.*
Clementinus, Forbes, *not d' Orb.* (Indicus), G. T. 2d s. vol. vii.
compressus, Sow. (Fittoni), in Fitt. G. T. 2d s. vol. iv, 203 and 367.
Comptoni, Sow. (CRISTELLARIA rotula), M. Con. 121.
Danicus, Schlot. Petrif. 117. Fr., G., Den'k. *Maest. beds, and* *C.*
Dekayi, Morton, Synopsis, 33, 8, 4. N. J., Del., Ala., Miss., Tenn., Ark., Mo., Texas, Nebraska (E., Fr., G., Chili, and Pondichery, E. Indies, *fide d' Orb.*). *C.*
Deslongchampsianus, d'Orb. P. F. 90, 20. E., Fr. *U. G., C.*
elegans, Sow. M. Con. 116. E., G., Fr. (Texas, *fide Roem*). *C., U. G.*
elegans, Mant. pars (Deslongchampsianus), Geol. Suss pl. 21, f. 8.
expansus, Sow. M. Con. 458. E., Fr. *C.*
Farringdonensis, Sharpe, Quart. J. G. Soc. vol. x, 198, 6, 1. *L. G.*
Fittoni, Sharpe, Foss. Moll. of Chalk, 17, 6, 4. E. *U. G.*
Fleuriausianus, d'Orb. (triangularis), P. F. 82, pl. 15.
Hebertinus, d'Orb. Bull. G. Soc. Fr. 2d s. vol. vii, 127. Fr. *Danien.*
inaequalis, Sow. M. Con. 40. E. *C.*
Indicus, d'Orb. Prod. 211. India, Chili. *C.*
laevigatus, d'Orb. (sublaevigatus), P. F. 84, 17.
laevigatus, d'Orb. (Dekayi), Voy. Astrolabe, pl. 6, f. 1.
Largilliertianus, d'Orb. P. F. 86, 18. E., Fr. *U. G.*
Lallierianus, d'Orb. P. F. 160. Fr. *L. G.*
Matheronianus, d'Orb. Rev. Zool. 1841, 318. Fr. *U. G.*
Neckerianus, Pictet, Env. Genèv. 16, 1, 2. Fr. *G.*
Neocomensis, d'Orb. P. F. 74, pl. 11. E., Fr. *L. G., N.*
orbiculatus, Tuomey (MEGASIPHONIA), 1855, Proc. Acad. p. 167.
Orbignyanus, Forbes (Dekayi), in Darwin, S. A. pl. 5, f. 1.
perlatus, Morton (Dekayi), Synopsis, 33, 13, 4.
plicatus, Sow. in Fitt. G. T. 2d s. vol. iv, 12, 9. E. *L. G.*
pseudoelegans, d'Orb. P. F. p. 70, pl. 8–9. E., Fr., G., Crimea. *N.*

radiatus, Sow. (subradiatus), M. Con. 356.
Requienianus, d'Orb. (plicatus), P. F. p. 72, pl. 10.
Rhodani, Roux. Env. Genèv. 19, 1, 4. Fr. *G.*
Ricordeanus, d'Orb. Prod. 112. Fr. *L. G.*
Sassureanus, Pictet, Env. Genèv. 17, 1, 3. Fr. *G.*
simplex, Sow. M. Con. 122. E., Fr. *U. G., L. G.*
simplex, Roem. *not Sow.* (Dekayi), Kreid. Tex. 37.
sinuato-punctatus, Gein. 1843, Kreid. 8, 1, 6. G. *C.*
Sowerbyanus, d'Orb. P. F. 88, pl. 16. Fr. *C.*
Sowerbyanus, d'Orb. (Indicus), Voy. Astrolabe, pl. 4, f. 1–2.
sphaericus, Forbes (Dekayi), G. T. 2d s. vol. vii, p. 98.
Spillmani, Tuomey, 1855, Proc. Acad. Phila. vol. vii, 167. Ala. *C.*
Texanus, Shumard, 1860, Trans. Acad. St. Louis, p. 590. Texas. *C.*
sublaevigatus, d'Orb. Prod. 189. Fr. *C.*
subradiatus, d'Orb. Prod. 145. E., Fr. *U. G.*
triangularis, Montf. Conch. Syst. 1808, p. 7. G., Fr. *U. G.*
undulatus, Sow. M. Con. 40. E., G. *L. G.*
Varusensis, d'Orb. Prod. 97. Fr. *N.*

Orthocera.

Humboldtiana, Lea (ANCYLOCERAS), 1840, Tr. Am. Phil. Soc. 2d s. vol. vii, 253, 8, 1.

Pseudobelus.

bipartitus, Blainv. (BELEMNITES), Mem. Sur. Belem. 113, 5, 19.

PTYCHOCERAS, d'Orb. 1841.

adpressus, Sow. Sp. (**Hamites**), d'Orb. P. F. p. 555. E., Fr. *G.*
annulifer, Morton, Sp. (SOLENOCERAS), Gabb, Cat. Cret. p. 5.
Astierianus, d'Orb. Prod. 125. Fr. *G.*
Emericianus, d'Orb. P. F. 555, 137, 1–4. Fr. *N.*
Gaultinus, Pictet. Env. Genèv. 139, 15, 5–6. Fr. *G.*
laevis, Math. Cat. 266, 41, 3. Fr. *L. G.*
Mortoni, M. & H. (SOLENOCERAS), 1857, Proc. Acad. Phila. 134.
Puzosianus, d'Orb. P. 557, 137, 5–7. Fr. *N.*
Puzosianus, Quenst. (Gaultinus), pl. 21, f. 22.
sipho, Forbes, G. T. 2d s. vol. vii, 118, 11, 5. India. *C.*
Humboldtianus, Karst. (SOLENOCERAS), Geog. Ver. N. Gren. pl. 1, f. 1.

RHYNCHOTEUTHIS, d'Orb. 1846.

alatus, d'Orb. Pal. Univ. pl. 80. Fr. *N.*
Astierianus, d'Orb. id. pl. 80. Fr. *L. G.*

PHYLLOTEUTHIS, M. & H. 1860.

subovatus, M. & H. 1860, Proc. Acad. Phila., p. 175. Nebraska. *C.*

SCAPHITES, Park. 1811.

abyssinus, Morton, Sp. (Conradi?), Meek & Hayden, 1860, Proc. Acad. 421.
aequalis, Sow. M. Con. 18. E., Fr., G. *C., U. G.*
aequalis, var. d'Orb. (obliquus), P. F. 518, 129, 3–6.
aequalis, Geinitz, *not Sow. nor d' Orb.* (Geinitzii).
Alpinus, d'Orb. Prod. 100. Fr. *N.*
Astierianus, d'Orb. P. F. p. 521. Fr. *G.*
binodosus, Roem. Nord. Kreid. 90, 13, 6. G. *C.*
Bowerbanksii, Sow. Sp. (**Crioceratites**), d'Orb. Prod. 114. E. *L. G.*
compressus, d'Orb. P. F. 517, 128, 4, 5. Fr. *C.*
compressus, Roem, *not d' Orb.* (Roemeri), Nord. Kreid. 91, 15, 1.
Cheyennensis, Owen, Sp. (Conradi?), M. & H. 1860. Proc. Acad. 420.
Conradi, Morton, Sp. (**Ammonites**), d'Orb. Prod. 214. N. J., Ala., Del., Miss., Nebraska. *C.*
Conradi, vars. gulosus and petechialis, Morton, (**Ammonites**).
comprimis, Owen, Sp. (Conradi?), Rep. I. W. & M. 580, 7, 3.
constrictus, Sow. M. Con. 184. A., E., Fr. *C.*
Cuvieri, Morton (hippocrepis), Syn. 41, 7, 1.
costatus, Mant. Geol. Suss. 120, 22, 8 & 12. E., Fr. *C.*
Geinitzii, d'Orb. Prod. 214. Fr., G. *C.*
gigas, Sow. (ANCYLOCERAS), M. Con. 593.
Hillsi (ii), Sow. in Fitt. G. T. 2d s. vol. iv, pl. 15, 1, 2. E. *L. G.*
hippocrepis, De Kay (**Ammonites**), in Morton's Synop. 41, 7, 1. N. J., Del. *C.*
Hugardianus, d'Orb., P. F. 521. Fr. *G*
inflatus, Roem. Nord. Kreid. 90, 14, 3. G. *C.*
iris, Con. (Conradi), 1858, Jour. Acad. 2d s. vol. iii, 335, 35, 23.
Ivanii, Puzos. Bull. G. S. Fr. vol. ii, pl. 2. Fr. *U. G*

larvaeformis, M. & H. 1856, Proc. Acad. p. 58. Nebraska. *C.*
**Mandanensis*, Morton, Sp. (Conradi?), Meek & Hayden, 1856, Proc. Acad. 281.
Nicolletii, Morton, Sp. (Conradi?), M. & H. Proc. Acad. 1856, 281.
nodosus, Owen (S. (**Ammonites?**) nodosus), Rep. I. N. M. 581, 8, 4. Nebraska. *C.*
nodosus, *var. brevis*, M. & H. Proc. Acad. 1860, 420. Nebraska. *C.*
nodosus, *var. exilis*, M. & H. ibid. Nebraska. *C.*
nodosus, *var. quadrangularis*, M. & H. ibid. Nebraska. *C.*
nodosus, *var. plenus*, M. & H. ibid, p. 177. Nebraska. *C.*
obliquus, Sow. M. Con. 53, 18, 1, 2. E., Fr. *U. G.*
ornatissimus, d'Orb. Prod. 214. Fr. *C.*
ornatus, Roem. Nord. Kreid. 91, 13, 8. G. *C.*
Phillipsii, Bean. Sp. (**Hamites**), d'Orb. Prod. 114. E. *G.*
plicatellus, Roem. Nord. Kreid. 91, 13, 7. G. *C.*
pulcherrimus, Roem. ibid, 91, 14, 4. G., Fr. *C.*
reniformis, Morton (hippocrepis *juv.*), Synopsis, 42, 2, 6.
Rochatianus, d'Orb. Prod. 147. Fr. *U. G.*
Roemeri, d'Orb. Prod. 214. G. *C.*
semicostatus, Roem. Kreid. Tex. 35, 1, 5. Texas. *C.*
striatus, Mant. (aequalis), Geol. Suss. 119, 22, 3–12.
subreniformis, d'Orb. (hippocrepis), Prod. 214 (improperly referred to Morton, who never described such a species).
Texanus, Roem. Kreid. Tex. 35, 1, 6. Texas. *C.*
Vermiculus, Shumard, Trans. Acad. St. Louis, 1860, p. 594. Texas. *C.*
Warreni (ii), Meek & Hayden, Proc. Acad. 1860, p. 177. Nebraska. *C.*

SOLENOCERAS, Con. 1860.†

annulifer, Morton, Sp. (**Hamites**), Con. Jour. Acad. vol. iv, 2d s., p. 284. N. Jersey, Ala. *C.*

* Although the typical forms of these "species" (?) are very distinct from each other and can generally be recognized at a glance, I have never been able to detect any difference in the septa of Morton's types; and the number and arrangement of the ribs and tubercles vary so, that I cannot agree with my friends, Messrs. Meek and Hayden, in considering them distinct. They might well be designated for convenience, S. Conradi var. Abyssinus, Mandanensis, Nicolletii, &c.

† Although I agree with Mr. Conrad in believing this to be a good genus, still, I fear that his diagnosis of the genus may be incorrect in one particular. He says that the large portion is "suddenly recurved." It may be the case, but the evi-

Humboldtianus, Karst. Sp. (**Ptychoceras**), Gabb, 1861. N. Gren. *N.*
Mortoni, Meek & Hayden. Sp. (**Ptychoceras**), Gabb, 1861. Nebraska. *C.*

TOXOCERAS, d'Orb. 1841.

annulare, d'Orb. P. F. 480, 118, 1–6. Fr. *N.*
Astierianum, d'Orb. Prod. 66. Fr. *N.*
bituberculatus (um), d'Orb. P. F. 476, 116, 8–10. Fr. *N.*
Cornelianus, d'Orb. (ANCYLOCERAS), P. F. 484, 119, 5–9.
Duvalianus (um), d'Orb. P. F. 479, 117, 6–9. Fr. *N.*
elegans, d'Orb. P. F. 477, 117, 1–5. Fr. *N.*
Emericianum, d'Orb. P. F. 487, 120, 5–9. Fr. *N.*
gracilis, d'Orb. (**Hamites**), P. F. 488, 120, 10–12.
Honnoratianus (um), d'Orb. P. F. 483, 119, 1–4. Fr. *N.*
Joubertianus (um), d'Orb. Prod. 101. Fr. *N.*
Moutonianus (um), d'Orb. Prod. 101. Fr. *N.*
nodosus (um), d'Orb. Prod. 101. Fr. *N.*
obliquatus (um), d'Orb. P. F. 486, 120, 1–4. Fr. *N.*
plicatilis (le), d'Orb. Prod. 101. Fr. *N.*
Requienianus (um), d'Orb. 474, 116, 1–7. Fr. *N.*
Royerianus (um), d'Orb. P. F. 481, 118, 7–11. Fr. *L. G.*
Varusensis (se), d'Orb. Prod. 102. Fr. *N.*

TRIGONELLITES, Park. 1811.* (**Aptychus**, Von Meyer, 1831.)

Cheyennensis, M. & H., Sp. (**Aptychus**), Gabb, 1861.
crassus, Hebert, Sp. (**Aptychus**), Gabb, 1861.
fragilis, M. & H., Sp. (**Aptychus**), Gabb, 1861.
Gollevilliensis, Sharpe, Sp. (**Aptychus**), Gabb, 1861.
Icenicus, Sharpe, Sp. (**Aptychus**), Gabb, 1861.
insignis, Hebert, Sp. (**Aptychus**), Gabb, 1861.
leptophyllus, Sharpe, Sp. (**Aptychus**), Gabb, 1861.
obtusus, Hebert, Sp. (**Aptychus**), Gabb, 1861.
peramplus, Sharpe, Sp. (**Aptychus**), Gabb, 1861.

dence is very slight. I have frequently examined the type of the genus, which is also Morton's type of his species, and although, at the extremity of the fragment there is a slight deflection, it always appeared to me to be only a thickened lip or rib, such as occurs at intervals on other species in this family. The channel for receiving the older or smaller arm of the shell, is so deep as to render a section across the mouth crescentic.

* See note under APTYCHUS.

Portlockii, Sharpe, Sp. (**Aptychus**), Gabb, 1861.
rugosus, Sharpe, Sp. (**Aptychus**), Gabb, 1861.

TURRILITES, Lam. 1801.

acutecostatus, d'Orb. P. F. 605, 147, 3, 4. Fr. *C.*
acutus, Passy. (costatus), Desor. Geol. Seine Inf., 334, 16, 3, 4.
Alpinus, d'Orb. Prod. 148. Fr. *U. G.*
Archiacianus, d'Orb. P. F. 607, 148, 5, 6. Fr. *C.*
alternatus, Tuomey, 1855. Proc. Acad. Phila. vol. vii, 168. Ala. *C.*
Astierianus, d'Orb. P. F. 578, 140, 8–11. Fr. *G.*
Bechii, Sharpe, Foss. Moll. of Chalk, 66, 26, 13. E. *C.*
Bergeri, Brong. Env. Paris, pl. 7, f. 3. E., Fr., G. *G.*
bifrons, d'Orb. P. F. 606, 147, 5–6. E., Fr. *U. G.*
bituberculatus, d'Orb. P. F. 582, 141, 7–10. G., Fr. *G.*
Brazoensis, Roem. Kreid. Tex. 37, 3, 2. Texas. *C.*
Carcitanensis, Math. Catalogue, 267, 41, 4. Fr. *U. G.*
cateratus, d'Orb. P. F. 574, 140, 1–3. Fr., G. *G.*
cateratus-evolutus, Quenst. (Astierianus), K. pl. 21, f. 25.
Cheyennensis, M. & H. (HELICOCERAS), Proc. Acad. 1856, p. 176.
cochleatus, M. & H. (HELICOCERAS), 1858, Proc. Acad. p. 55.
costatus, Lam. An. Sans. Vert. p. 102. E., G., Fr. *U. G.*
Desnoyersii, d'Orb. (Scheuchzerianus), P. F. 601, 146, 1, 2.
elegans, d'Orb. P. F. 577, 140, 6, 7. Fr., G. *G.*
Emericianus, d'Orb. (HETEROCERAS), P. F. 580, 141, 3, 6.
Escherianus, Pictet, Env. Genèv. 154, 15, 11. Fr. *G.*
Essensis, Geinitz, Das Quadersands, pl. 4, f. 1, 2. G. *U. G.*
Geinitzii, d'Orb. Prod. 216. G. *C.*
Germaniae, d'Orb. Prod. 216. G. *C.*
giganteus, Haan (tuberculatus), M. Am. et Gon. p. 78, No. 6.
Gravesianus, d'Orb. P. F. 596, 144, 3–5. Fr. *U. G.*
Hugardianus, d'Orb. P. F. 588, 147, 9–11. Fr., G. *G.*
Mantelli, Sharpe, Foss. Moll. of Chalk, 63, 25, 5–6. E. *C.*
Mayorianus, d'Orb. P. F. 576, 140, 4, 5. Fr., G. *G.*
Morrisii, Sharpe, Foss. M. of Chalk, 65, 26, 4–8. E. *C.*
Moutonianus, d'Orb. P. F. 584, 147, 7–8. Fr. *G.*
Nebrascensis, M. & H. (HELICOCERAS), 1856, Proc. Acad. p. 280.
ornatus, d'Orb. P. F. 604, 147, 1, 2. Fr. *U. G.*
?*planorbis*, Forbes (AMMONITES pumilus), G. T. 2d s. vol. vii, 115, 9, 5.
plicatilis, Roem. Sp. (**Hamites**), d'Orb. Prod. 216. G. *C.*

plicatus, d'Orb. P. F. 592, 143, 7, 8. Fr. *C.*
polyplocus, Gein. (HELICOCERAS), Nacht. Kreid. 8, 5, 4.
polyplocus, Roem. (HETEROCERAS), Nord. Kreid. 92, 14, 1, 2.
Puzosianus, d'Orb. P. F. 587, 143, 1, 2. Fr., G., E. *G.*
Robertianus, d'Orb. P. F. 585, 142. Fr., G. *G.*
Senequierianus, d'Orb. P. F. 597, 141, 1, 2. Fr., G. *G.*
Scheuchzerianus, Bosc. in Buff. & Deterv. Verst. t. 5, p. 190. Fr., G. *U. G.*
spinifera (us), Con. Jour. Acad. 2d s. vol. iv, p. 284. Ala. *C.*
triplicatus, Sow. (costatus), Dixon's Geol. Suss. 350, 29, 16.
tuberculatus, Bosc. Buff. & Deterv. vol. v, 189, 42, 8. E., Fr., G. *U. G.*
tuberculatus, Mant. (Gravesianus), Geol. Suss. 24, 6.
? *umbilicatus*, M. & H. (HELICOCERAS), 1858, Proc. Acad. p. 56.
undulatus, Sow. (Scheuchzerianus), M. Con. 75.
undulatus, Gein. (Geinitzii), Char. Kreid. 42, 13, 3.
undulatus, Reuss. (SCALA subundulata), Bohm. Kreid. 24, 7, 8, 9.
varicosa, Bosc. (tuberculatus), Buff. & Deterv. vol. v, 190.
Vibrayeanus, d'Orb. P. F. 589, 148, 1–4. Fr. *G.*
Wiestii, Sharpe, Foss. Moll. of Chalk, 67, 27, 8–9 and 17. E. *C.*

GASTEROPODA.

ACMAEA, Eschsh. 1833.

dimidiata, Reuss (HELCION), Kreid. 42, 11, 8.
Gaultina, P. & R. (HELCION), Env. Genèv. 284, 27, 11.
inflata, P. & R. (HELCION), Env. Genèv. 283, 27, 10.
Reussii, Geinitz (HELCION), 74, 18, 23.
subcentralis, d'Arc. Sp. (HELCION), M. G. S. F. 334, 22, 5. (1847.)

ACTAEON, Montf. 1810. (**Acteon**, d'Orb.).

affinis, Sow. Sp. (**Tornatella**), d'Orb. Prod. 149. E. *U. G.*
affinis, d'Orb. (Marullensis), P. F. 117, 167, 6.
Albensis, d'Orb. P. F. 120, 167, 10–12. Fr. *N.*
Astierianus, d'Orb. P. F. 118, 167, 7. Fr. *N.*
attenuata, M. & H. (SOLIDULA), 1858, Proc. Acad. p. 54.
biplicata, M. & H. *not d' Orb.* (SOLIDULA), Proc. Acad.

brevis, d'Orb. P. F. 125. Fr. *N.*
curculio, Forbes, Sp. (**Tornatella**), d'Orb. Prod. 219. India. *C.*
concinnus, H. & M. (CINULIA), M. Am. Acad. Boston, 2d s. vol. v, 390, 1, 4.
Dupinianus, d'Orb. P. F. 116, 167, 1–3. Fr. *N.*
elongatus, Reuss, *not Sow.* (Reussii), Bohm. Kreid. 50, 7, 21.
Forbesianus, d'Orb. Prod. 115. E. *G.*
lineolatus, Reuss, Sp. (**Phasianella**), d'Orb. Prod. 219. G. *C.*
marginatus, d'Orb. P. F. 119, 167, 8, 9. Fr. *N.*
Marullensis, d'Orb. Prod. 67. Fr., N. Grenada. *N.*
modicellus, Con. Jour. Acad. 2d s. vol. iv, p. 287. Ala., Miss. *C.*
Moutonianus, d'Orb. Prod. 103. Fr. *N.*
Nerei, d'Orb. Prod. 68. Fr. *N.*
ornatus, d'Orb. Voy. dans Am. Mer. p. 79. N. Gren. *N.*
ovum, d'Orb. P. F. 123, 167, 19, 20. Fr. *U. G.*
Popii, Sow. Sp. (**Tornatella**), d'Orb. Prod. 68. E. *N.*
Reussii, d'Orb. Prod. 219. G. *C.*
ringens, d'Orb. P. F. 121, 167, 13–15. Fr. *N.*
scalaris, d'Orb. Prod. 68. Fr. *N.*
semen, Forbes, Sp. (**Tornatella**), d'Orb. Prod. 219. India. *C.*
subacutus, d'Orb. Prod. 220. India. *C.*
subalbensis, d'Orb. Prod. 115. E. *L. G.*
subelliptica, M. & H. (SOLIDULA), 1856, Proc. Acad. vol. viii, p. 63.
subsulcatus, d'Orb. Prod. 219. Fr. *C.*
sulcata, Dujard, *not Desh.* (subsulcatus), M. G. S. F. vol. ii, 231, 17, 3.
unidentulus, d'Orb. Voy. Ast. et Zel. pl. 6, f. 22–25. India. *C.*
unidentata, d'Orb. (unidentulus), Prod. 219.
Vibrayeanus, d'Orb. P. F. 122, 167, 16–18. Fr. *G.*

ACTEONELLA, d'Orb. 1847.

conica, Munst. Sp. (**Tornatella**), d'Orb. Prod. 220. G. *C.*
crassa, Dujard, Sp. (**Volvaria**), d'Orb. P. F. 111, pl. 116. Fr. *C.*
dolium, Roem. Kreid. Tex. 43, 4, 4. Texas. *C.*
gigantea, Sow. Sp. (**Tornatella**), d'Orb. P. F. 165, f. 1. G., Fr. *C.*
Goldfussii, d'Orb. Prod. 220. G. *C.*
Lamarckii, Sow. Sp. (**Tornatella**), d'Orb. P. F. p. 108. G. *C.*
Lefebreana, d'Orb. P. F. 108. Egypt. *C.*
laevis, Sow. Sp. (**Volvaria**), d'Orb. P. F. 110, 165, 2, 3. G., Fr. *C.*
Renauxiana, d'Orb. P. F. 108, 164, 7. Fr. *C.*

subglobosa, Munst. Sp. (**Tornatella**), d'Orb. Prod. 220. G. *C.*
Toucasiana, d'Orb. Prod. 191. Fr. *C.*
voluta, Munst. Sp. (**Tornatella**), d'Orb. Prod. 220. Fr., G. *C.*

ACTAEONINA, d'Orb. 1847.

biplicata, M. & H. Sp. (SOLIDULA), Gabb, Proc. Acad. 1860, 92, 3, 13.
naticoides, Gabb (SOLIDULA), Jour. Acad. 2d s. vol. iv, 299, 48, 2.
Texana, Roem. Sp. (**Eulima**), Gabb, 1861. Texas. *C.*

AMAUROPSIS, Mörch.

paludinaeformis, Hall & Meek (**Natica**), M. & Hayden, 1860, Proc. Acad. p. 185. Nebraska, N. Jersey, Ala., Miss. *C.*
Mariae, d'Orb. Sp. (**Natica**), Gabb, 1861. India. *C.*

ANISOMYON, Meek & Hayden, 1860.

alveolatus, M. & H. (**Helcion**), Am. Jour. Sci. vol. xxxviii, 2d ser. p. 35. Neb. *C.*
borealis, Morton, Sp. (**Hipponyx**), M. & H. ibid, p. 35. N. J. *C.*
patelliformis, M. & H. (**Helcion**), ibid, p. 35, pl. 1. Neb. *C.*
sexsulcatus, M. & H. (**Helcion**), ibid, p. 35. Nebraska. *C.*
Shumardi, M. & H. Proc. Acad. 1860, 423. Nebraska. *C.*
subovatus, M. & H. (**Helcion**), Am. Jour. Sci. 2d s. vol. xxxviii, p. 35. Neb. *C.*

ANCHURA, Conrad.

abrupta, Con. Jour. Acad. 2d s. vol. iv, 284, 47, 1. Alabama. *C.*

Ampullaria, Lam. 1799.

bulimoides, Desh. (NATICA), in Leym. M. G. S. F. vol. v, 12, 16, 9.
canaliculata, Mant. (NATICA Gaultina), Geol. Suss. pl. 19, f. 13.
laevigata, Desh. (NATICA), in Leym. M. G. S. F. vol. v, 13, 16, 10.

APORRHAIS, Petiv. 1711, Da Costa, 1778.

Americana, Evans & Shum. Sp. (**Rostellaria**), M. & H. Proc. Acad. 1860, p. 423. Nebraska. *C.*

biangulata, M. & H. (**Rostellaria**), Proc. Acad. 1860, 185. Neb. *C.*
decemlirata, Con. Jour. Acad. 2d s. vol. iii, 320, 34, 11. Ala., Miss. *C.*
Dupiniana, d'Orb. Sp. (**Rostellaria**), Gabb, 1861. Fr. *N.*
Nebrascensis, E. & S. (**Rostellaria**), M. & H. Proc. A. 1860, 423. Neb. *C.*
parva, M. & H. Proc. Acad. 1860, 178. Nebraska. *C.*
sublaevis, M. & H. Proc. Acad. 1860, 178. Nebraska. *C.*
stenopterus (a), Goldf. Sp. (**Rostellaria**), Sow. Dix. Geol. Suss. 358, 27, 31. E., G. *C.*

ARCHITECTONICA, Bolten, 1798. (**Solarium**, Lam. 1799.)

Albensis, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
abyssinis, Gabb, Sp. (**Solarium**), Gabb, 1861. N. J. *C.*
Alpina, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *N.*
Astieriana, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
Circitanensis, Math. Sp. (**Solarium**), Gabb, 1861. Fr. *L. G.*
catenata, Sow. Sp. (**Solarium**), Gabb, 1861. E. *C.*
cirrhoidea, Brong. Sp. (**Trochus**), Gabb, 1861. G., Fr. *G.*
Bailyi, Gabb (**Solarium** *pulchellum*, Baily), Gabb, 1861. S. Africa. *U. G.*
dentata, Desh. Sp. (**Delphinula**), Gabb, 1861. G., Fr. *G.*
deperdita, d'Orb. Sp. (**Solarium**), Gabb, 1861. India. *C.*
Deshayesii, P. & R. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
dilatata, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
granosa, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr., G. *G.*
granulata, Mant. Sp. (**Solarium**), Gabb, 1861. E. *C., U. G.*
monilifera, Mich. Sp. (**Solarium**), Gabb, 1861. G., Fr. *G.*
Neocomiensis, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *N.*
plicata, Sow. Sp. (**Solarium**), Gabb, 1861. E. *G.*
pulchella, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *N.*
Rochantiana, P. & R. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
scalaris, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *U. G.*
subangulata, d'Orb. Sp. (**Solarium**), Gabb, 1861. G. *C.*
subornata, d'Orb. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
tabulata, Phil. Sp. (**Solarium**), Gabb, 1861. E. *G.*
Thirriana, d'Arc. Sp. (**Solarium**), Gabb, 1861. Fr. *U. G.*
Tingryana, P. & Roux, Sp. (**Solarium**), Gabb, 1861. Fr. *G.*
Tollotiana, P. & R. Sp. (**Solarium**), Gabb, 1861. Fr. *G.*

AURICULA, Lam. 1799.

decurtata, Sow. (AVELLANA), G. T. 2d s. vol. iii, pl. 38, 10.
globulosa, Desh. (AVELLANA), Leym. M. G. S. F. vol. v, 12, 16, 2.
incrassata, Mant. (AVELLANA), Geol. Suss. pl. 19, f. 33.
inflata, Sow. (RINGINELLA), in Fitt. G. T. 2d s. vol. iv, pl. 11, f. 11.
obsoleta, Phil. Geol. Yorkshire, pl. 2, f. 40. E. (*Speeton Clay*), *G.*
ovum, Dujard. (ACTAEON), M. G. S. F. vol. ii, 17, 2.
spirata, Roem. (NATICA Roemeri), Nord. Kreid. 77, 11, 4.
sulcata, Dujard. (ACTAEON subsulcatus), M. G. S. F. 2, p. 281, 17, 3.

AVELLANA, d'Orb. 1843.

Alpina, Pictet & Roux, Sp. (**Ringinella**), d'Orb. Prod. 129. Fr. *G.*
Archiaciana, d'Orb. P. F. 137, 169, 7–9. Fr. *C.*
bullata, Morton, Sp. (SOLIDULA), d'Orb. Prod. 220.
cassis, d'Orb. P. F. 138, 169, 10–13. Fr., E. *C., U. G.*
Chiliensis, d'Orb. Voy. Astrolabe, 4, 32, 34. Chili. *C.*
Clementina, d'Orb. (**Ringinella**), Prod. 128. Fr. *G.*
decurtata, Sow. Sp. (**Auricula**), d'Orb. Prod. 220. Fr. *C.*
Dupiniana, d'Orb. P. F. 136, 169, 1–4. Fr. *G.*
globulosa, Desh. Sp. (**Auricula**), d'Orb. P. F. 132, 168, 9–11. Fr. *N.*
Hugardiana, d'Orb. P. F. 135, 168, 17–19. Fr. *G.*
incrassata, Sow. Sp. (**Auricula**), d'Orb. Prod. 149. E., G., Fr. *U. G.*
incrassata, d'Orb. (subincrassata), P. F. 133, 168, 13–16.
inflata, Sow. Sp. (**Auricula**), d'Orb. Prod. 128. E., Fr. *G.*
labiosa, Forbes, Sp. (**Tornatella**), d'Orb. Prod. 220. India. *C.*
lachryma, Mich. Sp. (**Tornatella**), d'Orb. Prod. 128. Fr. *G.*
Mailleana, d'Orb. (**Ringinella**), Prod. 149. Fr. *U. G.*
ovula, d'Orb. P. F. 137, 169, 5–6. Fr. *G.*
Prevostii, d'Arc. M. G. S. F. 2d s. vol. ii, 343, 25, 1. Belgium. *U. G.*
Rauliniana, d'Orb. P. F. p. 141. Fr. *U. G.*
Royana, d'Orb. P. F. 140, 169, 14–16. Fr., G. *C.*
sphaera, d'Orb. Prod. 68. Fr. *N.*
subglobosa, M. & H. (CINULIA), Proc. Acad. 1856, p. 64.
subincrassata, d'Orb. Prod. 128. Fr. *G.*
Texana, Shumard. Trans. St. Louis Acad. 1860, p. 537. Texas. *C.*
Varusensis, d'Orb. Prod. 149. Fr. *U. G.*

BELLEROPHINA, d'Orb. 1843.

Vibrayei, d'Orb. P. F. 411, 236, 7–12. Fr. *G.*

BUCCINUM, Lam. 1799.

bicarinatum, Munst. (HARPAGO pseudobicarinatus), Goldf. Petrif. 30, 173, 5.
constrictum, H. & M. Sp. (**Fusus**), M. & H. Proc. Acad. 1860, p. 422. Neb. *C.*
costatum, Goldf. (ROSTELLARIA papilionacea), Petrif. pl. 173, f. 4.
? *Nebrascense*, M. & H. (PSEUDOBUCCINUM), 1856, Proc. Acad. p. 67.
productum, Reuss. (CERITHIUM), Bohm. Kreid. 42, 10, 18.
Gaultinum, d'Orb. P. F. 350, 233, 1–2. Fr. *G.*
pseudo-lineatem, d'Orb. Prod. 156. E. *U. G.*
turritum, Roem. (ROSTELLARIA), Nord. Kreid. 79, 11, 19.
? *vinculum*, H. & M. (FUSUS), Mem. Soc. Boston, 2d s. vol. v, pl. 3, f. 5.

BUCCINOPSIS, Con. 1857.

Parryi, Con. Emory's Report, 158, 3, 4. Texas. *C.*

BULLA, Klein. Brug. 1789.

alternata, d'Orb. Voy. Astrolabe, pl. 5, f. 1, 5. India. *C.*
Chiliensis, d'Orb. ibid. pl. 1, f. 13–15. Chili. *C.*
cretacea, d'Orb. ibid. pl. 3, f. 18–21. India. *C.*
macrostoma, Gabb, Jour. Acad. 2d s. vol. iv, p. 301, 48, 16. Ala. *C.*
Mantelliana, Sow. in Fitt. G. T. 2d s. vol. iv, 176, 22, 3. E. *N.*
minor, M. & H. Proc. Acad. 1856, p. 69. Nebraska. *C.*
Mortoni, Lyell & Forbes, 1844, Q. J. G. S. vol. i, p. 63. N. J. *C.*
occidentalis, M. & H. Proc. Acad. 1856, p. 69. Nebraska. *C.*
recta, Gabb (CYLICHNA), Jour. Acad. 2d s. vol. iv, 302, 48, 17.
Santonensis, d'Orb. Prod. 233. Fr. *C.*
speciosa, M. & H. Proc. Acad. 1860, p. 185. Nebraska. *C.*
subcylindrica, M. & H. *not d'Orb.* (speciosa), Proc. Acad. 1856, p. 270.
tenuis, Reuss. Sp. (**Volvaria**), d'Orb. Prod. 233. G. *C.*
volvaria, M. &. H. 1856, Proc. Acad. p. 69. Nebraska. *C.*

BULLOPSIS, Con. 1858.

cretacea, Con. (CYLICHNA), Jour. Acad. 2d s. vol. iii, p. 334.

BUSYCON, Bolt. 1798.

Bairdii, M. & H. (**Pyrula**), Proc. Acad. 1856, p. 126. Nebraska. *C.*

CALYPTRAEA, Lam. 1799.

? corrugata, Forbes, G. T. 2d s. vol. vii, 137, 12, 11. India. *C.*
? elevata, Forbes, G. T. 2d s. vol. vii, 137, 12, 10. India. *C.*

CALYPTRAPHORUS, Con.

palliatus, Forbes, Sp. (**Rostellaria**), Gabb, 1861. India. *C.*

CANCELLARIA, Lam. 1799.

Alabamensis, Gabb, Jour. Acad. 2d s. vol. iv, 301, 48, 14. Ala. *C.*
Eufalensis, Gabb, ibid, 390, 68, 8. Ala. *C.*
Hilgardii, Con. Sp. (**Turbinopsis**), Gabb, 1861. Ala., Miss., N. J. *C.*
septemlirata, Gabb, Proc. Acad. 1860, 94, 2, 10. N. J. *C.*

CAPULUS, Montf. 1810.

Dunkerianus, Bosq. Sp. (**Hipponix**), d'Orb. Prod. 232. G. *C.*
elongatus, Munst. Sp. (**Pileopsis**), d'Orb. Prod. 156. G. *U. G.*
fragilis, M. & H. (TECTURA papillata), 1856, Proc. Acad. p. 68.
occidentalis, H. & M. (TECTURA), M. Acad. Boston, 2d s. vol. v, p. 385, f. 13.
ornatissimus, d'Orb. Prod. 292. Fr. *Darien.*
consobrinus, d'Orb. Prod. 292. Fr. "

CASSIDARIA, Lam. 1812.

incerta, d'Orb. Sp. (STROMBUS), P. F. 308, pl. 215.

CASSIS, Lam. 1812.

avellana, Brong. Sp. (AVELLANA cassis), Env. Par. pl. 6, f. 10.
clathratum, Sandb. (PLEUROTOMARIA **Catantostoma** subclathrata), Goldf. Petr. G. vol. iii, 78, 188, 2.

CERITHIOPSIS, Forbes & Hanley.

Moreauensis, M. & H. (**Turritella**), Proc. Acad. 1860, p. 185. Nebraska. *C.*

CERITHIUM, Adanson, 1757.

affine, Sow. Sp. (**Nassa**), d'Orb. Prod. 231. Fr. *C.*
Albense, d'Orb. P. F. 355, 227, 10–12. Fr., G. *N.*
Alpinum, d'Orb. Prod. 116. Fr. *G.*
amictum, Munst. Sp. (**Fusus**), d'Orb. Prod. 231. G. *C.*
Aptiense, d'Orb. P. F. 363, 229, 1–3. Fr. *L. G.*
Ataxense, d'Orb. P. F. 372, 231, 1. Fr. *C.*
attenuatum, Sow. Sp. (**Melanopsis**), d'Orb. Prod. 72. E. *Weald.*
attenuatum, Forbes (subattenuatum), Q. J. G. S. 1, 352, 4, 11.
Barremensis (se), d'Orb. Prod. 116. Fr. *L. G.*
Beaudouini, d'Orb. P. F. 361, 206, 7–8. Fr. *N.*
Belgicum, Munst. in Goldf. Petrif. 34, 174, 5. Fr., G. *U. G.*
binodosum, Roem. Nord. Kreid. 79, 11, 16. G. *C.*
Birckii, Geinitz, Quader. G. *U. G.*
Bosquense, Shumard, Trans. Acad. St. Louis, 1860, p. 596. Texas. *C.*
buccinoides, Sow. Sp. (**Rostellaria**), d'Orb. Prod. 134. E. *G.*
Bustamentii, Galeotii, Bull. Acad. Brux, vol. vii, p. 5, f. 5. Mexico. *C.*
carinatum, Sow. Sp. (**Nassa**), d'Orb. Prod. 231. Fr. *C.*
Cassisianum, d'Orb. P. F. 382. Fr. *U. G.*
Cenomanense, d'Orb. P. F. 382. Fr. *U. G.*
cingulatum, Galeotti, Bull. Acad. Brux. vol. vii, p. 6, f. 6. Mexico. *C.*
Clementinum, d'Orb. P. F. 357, 228, 1–3. Fr. *N.*
conoideum, Murch. & Sedgw. *not Sow.* (TURRITELLA Requieniana), G. T. vol. iii, pl. 39, f. 18.
Cornuelianum, d'Orb. P. F. 361, 228, 11–13. Fr. *L. G.*
costellatum, Sow. Sp. (**Nassa**), d'Orb. Prod. 156. E. *U. G.*
Dechenii, Munst. in Goldf. Petrif. 34, 174, 2. G. *C.*
Derignyanum, Pictet & Roux. Env. Genev. 278, 27, 5. Fr. *G.*
Dupinianum, d'Orb. P. F. 354, 227, 4–6. Fr. *N.*
Ervynum, d'Orb. P. F. 367, 230, 1–3. Fr. *G.*
excavatum, Brong. Env. Par. 339, 11, 10. Fr., G. *G.*
fasciatum, Reuss. (subfasciatum), Bohm. Kreid. 42, 10, 4.
Fittonii, d'Orb. Prod. 116. E. *L. G.*
Fontanieri, d'Orb. Voy. Ast. et Z. pl. 4, f. 2. India. *C.*
Forbesianum, d'Orb. Prod. 116. Eng. *G.*
Gallicum, d'Orb. P. F. 375, 231, 7, 8. Fr. *U. G.*

Gargasense, d'Orb. P. F. 382. Fr. *L. G.*
Gaudryi, d'Orb. P. F. 358, 228, 4–6. Fr. *N.*
Guerangeri, d'Orb. P. F. 374, 231, 5, 6. Fr. *U. G.*
gurgitis, P. & R. Env. Genev. 280, 27, 8. Fr. *G.*
Hector, d'Orb. Prod. 156. Fr. *U. G.*
Hugardianum, d'Orb. Prod. 134. Fr. *G.*
Jason, d'Orb. Prod. 156. Fr. *U. G.*
imbricatum, Munst. *not Brong.* (subimbricatum), d'Orb. Prod. 231. G. *C.*
Lalliertianum, d'Orb. P. F. 365, 229, 7–9. Fr., G. *G.*
limaeforme, d'Orb. (Sarthacense), P. F. 376, 232, 1–3.
Luschitzianum, Gein. Char. Kreid. pl. 18, f. 12. G. *C.*
Marollianum, d'Orb. P. F. 353, 227, 2, 3. Fr. *N.*
Matheronii, d'Orb. P. F. 379, 232, 7. Fr. *C.*
Matronense, d'Orb. P. F. 381. Fr. *L. G.*
Moutonianum, d'Orb. Prod. 105. Fr. *N.*
nassoides, d'Orb. *not Grateloup* (subnassoides), P. F. 359, 228, 7–9.
Neocomiense, d'Orb. P. F. 360, 232, 8–10. Fr. *N.*
Nerei, Munst. Goldf. Petrif. 34, 174, 3. G. *C.*
nodosum, Tuomey, 1855, Proc. Acad. vol. vii, p. 170. Ala. *C.*
ornatissimum, Desh. M. G. S. F. vol. v, 14, 17, 10. Fr. *G.*
perigrinosum, d'Orb. P. F. 374, 231, 3–4. Fr. *C.*
Perigordianum, d'Orb. (**Nerinea**), Prod. 230. Fr. *C.*
Phillipsii, Leym. M. G. S. F. vol. v, 14, 10, 10. Fr. *N.*
Phillipsii, Forbes, *not Leym.* (Forbesianum), Q. J. G. S. 1844, vol. i.
Ponsianum, d'Orb. Prod. 193. Fr. *C.*
Prosperianum, d'Orb. P. F. 378, 232, 6. Fr. *C.*
provinciale, d'Orb. P. F. 380, 233, 3. Fr. *C.*
pseudo-clathratum, d'Orb. Prod. 231. G. *C.*
pseudo-conoideum, d'Orb. Prod. 230. G., Fr. *C.*
pseudo-coronatum, d'Orb. Prod. 231. G. *C.*
pustulosum, Sow. G. T. 2d s. vol. i, 39, 19. G. *C.*
pyramidale, d'Orb. *not Sow.* (subpyramidale), P. F. 361, 206, 7–9.
reflexilabrum, d'Orb. Prod. 156. Fr. *U. G.*
Renauxianum, d'Orb. P. F. 373, 231, 2. Fr. *C.*
Requienianum, d'Orb. P. F. 377, 232, 4, 5. Fr. *C.*
reticosum, Sow. G. T. 2d s. vol. iii, pl. 39, f. 17. G. *C.*
reticulatum, Roem. (MITRA), Nord. Kreid. 79, 11, 18.

Rhodani, P. & R. Env. Genev. 279, 27, 6. Fr. *G.*
Rouyanum, d'Orb. P. F. 382. Fr. *N.*
Royanum, d'Orb. Prod. 230. Fr. *C.*
Sabaudianum, P. & R. Env. Genev. 278, 27, 5. Fr. *G.*
Sarthacense, d'Orb. Prod. 156. Fr. *U. G.*
Scalaroideum, Forbes, G. T. 2d s. vol. vii, 125, 13, 7. India. *C.*
sphaeruliferum, Forbes, ibid. 125, 13, 6. India. *C.*
subattenuatum, d'Orb. Prod. 116. Eng. *G.*
subelongatum, d'Orb. Prod. 156. Fr. *U. G.*
subfasciatum, d'Orb. Prod. 231. G. *C.*
subimbricatum, d'Orb. Prod. 231. G. *C.*
subminutum, d'Orb. Prod. 231. Mexico. *C.*
submuricatum, d'Orb. Prod. 231. G. *C.*
subnassoides, d'Orb. Prod. 72. Fr. *N.*
subpyramidale, d'Orb. Prod. 72. Fr. *N.*
subspinosum, Desh. M. G. S. Fr. vol. v, 14, 17, 12. Fr. *G.*
subtricarinatum, Sow. Sp. (**Melanopsis**), d'Orb. Prod. 72. E. *Weald.*
suturosum, Galeotti, Bull. Acad. Brux. vol. vii, p. 4, f. 4. Mexico. *C.*
tectum, d'Orb. P. F. 368, 230, 4–6. Fr. *G.*
terebroides, d'Orb. P. F. 352, 227, 1. Fr. *N.*
Tombeckii, Heb. M. G. S. F. 2d s. vol. iv, 372, 29, 8. Fr. *C.*
Toucasianum, d'Orb. Prod. 230. Fr. *C.*
trimonile, Mich. M. G. S. F. vol. iii, 100, 12, 5. Fr. *G.*
Trinchinopolitense, Forbes, G. T. 2d s. vol. vii, 126, 15, 10. India. *C.*
tuberculatum, Forbes (Aptiense), Q. J. G. S. 1844, vol. i.
turriculatum, Forbes, Q. J. G. S. vol. i, 352, 4, 7. Eng. *L. G.*
Varusense, d'Orb. Prod. 72. Fr. *N.*
Vibrayeanum, d'Orb. P. F. 366, 229, 10–13. Fr. *G.*
Vindinense, d'Orb. P. F. 382. Fr. *U. G.*
Carolinum, d'Orb. Prod. 292. Fr. *Danien.*
Gea, d'Orb. Prod. 292. Fr. "
dymorphum, d'Orb. Prod. 292. Fr. "
uniplicatum, d'Orb. Prod. 292. Fr. "
urania, d'Orb. Prod. 292. Fr. "
Hebertianum, d'Orb. Prod. 292. Fr. "

*CHEMNITZIA, d'Orb. 1839 (**Turbonilla**, *Con. not Riss.*).

Aeolis, d'Orb. Prod. 149. Fr. *U. G.*
arenosa, Reuss, Böhm. Kreid. 51, 10, 7. G. *U. G.*
cerithiformis, M. & H. (SCALA), Proc. Acad. 1860, p. 185.
corona, Con. (**Turbonilla**), Jour. Acad. 2d s. vol. iv, 287, 46, 50. Miss. *C.*
? *distans*, Con. (GLADIUS arenarum), Jour. Acad. 2d s. vol. iii, 333, 35, 30.
gloriosa, Roem. Kreid. Tex. 40, 4, 3. Texas. *C.*
inflata, d'Orb. P. F. 71, 156, 2. Fr. *C.*
? interrupta, Con. Jour. Acad. 2d s. vol. iii, 333, 35, 15. Miss. *C.*
laqueata, Con. (**Turbonilla**), Jour. Acad. 2d s. vol. iv, 288, 46, 36. Miss. *C.*
Meekana, Gabb (RIMELLA), Jour. Acad. 2d s. vol. iv, 299, 48, 1.†
melanopsis, Con. (**Turbonilla**), Jour. Acad. 2d s. vol. iv, 287, 46, 35. Miss. *C.*
Mosensis, d'Orb. P. F. 71, 156, 2. Fr. *U. G.*
Moutoniana, d'Orb. Prod. 103. Fr. *N.*
occidentale (is), Gabb, Jour. Acad. 2d s. vol. iv, pl. 68. Indian Terr. *C.*
Pailletteana, d'Orb. P. F. 69, 155, 19. Fr. *C.*
Rouyana, d'Orb. Prod. 67. Fr. *N.*
Spillmani, Con. (**Turbonilla**), Jour. Acad. 2d s. vol. iv, 287, 46, 48. Miss. *C.*
Sutherlandii, Baily, Q. J. G. S. vol. xi, 1853, 459, 12, 5. S. Africa. *U. G.?*
trigemmata, Con. (**Turbonilla**), J. Acad. 2d s. vol. iv, 288, 47, 36. Miss. *C.*
undosa, Forbes (SCALA undata), G. T. 2d s. vol. vii, 125, 15, 11.
Varusensis, d'Orb. Prod. 103. Fr. *N.*

CINULIA, Gray, 1840.

concinna, M. & H. Sp. (**Actaeon**), Proc. Acad. 1860, 424. Neb. *C.*

* By mistake, d'Orbigny refers in the index to his "Prodrome" to all the "Senonien" Nerineas under the head of Chemnitzia. I mention it to guard other students against error.

† Through inadvertence, the name Chemnitzia was put over this species instead of Rimella, as was intended.

CIRRHUS, Sow. 1815.

crotaloides, Morton (PLEUROTOMARIA), Syn. 49, 19, 5.
depressus, Mant. (P. perspectiva), Geol. Suss. 194, 18, 18.
granulatus, Mant. (ARCHITECTONICA), Geol. Suss. 195.
perspectivus, Mant. (PLEUROTOMARIA), Geol. Suss. 194, 18, 12.
plicatus, Sow. (ARCHITECTONICA), M. Con. 141.

COLUMBELLINA, d'Orb. 1847.

contorta, Sow. Sp. (PUGNELLUS), d'Orb. Prod. 231. India. *C.*
monodactylus (a), Desh. Sp. (**Rostellaria**), d'Orb. P. F. 347, 126, 2–5. Fr. *N.*
ornata, d'Orb. P. F. 348, 226, 6–7. Fr. *U. G.*
uncata, Forbes, Sp. (PUGNELLUS), d'Orb. Prod. 231. India. *C.*

Chenopus, Philippi, 1836. (APORRHAIS, Petiv.)

Buchii, Munst. (GLADIUS), Goldf. Petrif. Germ.
Dupinianus, d'Orb. (APORRHAIS), Prod. 71.

CONUS, Linn. 1758.

**gyratus*, Morton (sauridens), Syn. 49, 10, 13. S. Carolina, Ala., Miss., Tex. *Eocene.*
canalis, Con. Jour. Acad. 2d s. vol. iii, 331, 35, 22. Ala. *C.*
Marticensis, Math. Cat. 257, 40, 24–25. Fr. *C.*
tuberculatus, Dujard. M. G. S. F. vol. ii (1835), 232, 17, 11. Fr. *C.*

CYLICHNA, Loven.

cretacea, Con. Sp. (**Bullopsis**), Gabb, 1861. Miss. *C.*
recta, Gabb (**Bulla**), N. J. *C.*
scitula, M. & H. 1860, Proc. Acad. Phila. p. 178. Nebraska. *C.*

CYPRAEA, Linn. 1740.

bullaria, Lyell (OVULA), 1835, "On the cretaceous," p. 250.
Cunliffei, Forbes (O. antiquata), G. T. 2d s. vol. vii, 134, 12, 22.

* This species, with several others, was described by Morton as cretaceous, coming from a white limestone, since ascertained to belong to the Eocene formation. They are all from South Carolina. The same deposit extends as far south as Tampa Bay, Florida.

Kayei, Forbes (OVULA), G. T. 2d s. vol. vii, 133, 12, 20.
Marticensis, Math. (OVULA), Catalogue, 255, 40, 21.
Newboldi, Forbes (O. incerta), G. T. 2d s. vol. vii, 134, 12, 21.
Mortoni, Gabb, 1860, Jour. Acad. 2d s. vol. iv, 391, 68, 8.
Ala., N. J. *C.*

DAPHNELLA, Hinds, 1844.

? Eufalensis, Con. Jour. Acad. 2d s. vol. iv, p. 285. Ala. *C.*
? lintea, Con. ibid, 285, pl. 46, f. 47. Ala. *C.*
? subfilosa, Con. ibid. 285. Ala. *C.*

DELPHINULA, Lam. 1804.

Bonnardii, d'Arc. M. G. S. F. 2d s. 334, 22, 6. G. *U. G.*
coronata, Roem. (TURBO), Nord. Kreid. 81, 12, 2.
Dupiniana, d'Orb. P. F. 209, 182, 1–4. Fr. *N.*
laevis, Dujard. (TURBO Iris), M. G. S. F. 231, 17, 4.
lapidosa, Morton (not **Straparollus** *lapidosus*, Gabb),* Synopsis, 46, 19, 7. N. J., Del. *C.*

DENTALIUM, Linn. 1758.

Arcotinum, Forbes, G. T. 2d s. vol. vii, 138, 12, 16. India. *C.*
Chilense, d'Orb. Voy. Astrolabe, pl. 1, f. 37, 38. Chili. *C.*
Cretaceum, Con. Lynch's Exped. 228, Appendix, pl. 1, f. 1. Syria. *C.*
cylindricum, Sow. M. Con. 79. E. *L. G.*
decussatum, Sow. M. Con. 70. E. *G.*
? difforme, Sow. Dix. Geol. Suss. 348, 29, 10. E. *C.*
ellipticum, Sow. (decussatum), M. Con. 70.
fragilis, M. & H. 1856, Proc. Acad. p. 69. Nebraska. *C.*
gracile, Hall & Meek, 1854, Mem. Acad. Bost. 2d s. vol. v, pl. 3, f. 11. N. *C.*
hamatum, Forbes, G. T. 2d s. vol. vii, 138, 15, 8. India. *C.*
medium, Sow. M. Con. pl. 79. Eng. *U. G.*
Mosae, Bronn in Goldf. Petrif. vol. iii, 3, 116, 10. G. *C.*

* By some unaccountable mistake, when describing this species, I confounded two specimens, both of which, in the top view, resemble Morton's figure of *D. lapidosa*, even to the manner of their fracture. They were in the collection of the Academy together. Morton's species (the type of which is in the Academy's museum), is a true Delphinula, and not, as d'Orbigny thinks (Prod. vol. ii, p. 223), a Turbo. My species, on the contrary, is a Straparollus. W. M. G.

pauperculum, M. & H. 1860, Proc. Acad. p. 178. Nebraska. *C.*
planicostatum, Hebert, M. G. S. F. 2d s. vol. iv, 174, 29, 11. Fr. *C.*
polygonum, Reuss, Böhm. Kreid. 41, 11, 5. G. *C.*
Rhodani, Pictet & Roux, Env. Genèv. 286, 27, 13. Fr. *G.*
Ripleyanum, Gabb, 1860, Jour. Acad. 2d s. vol. iv, pl. 69, f. 48. Ala., N. J. *C.*
Rhotomagense, d'Orb. Prod. 156. Fr. *U. G.*
serratum, P. & R. (SERPULA), Env. Genev. 286, 27, 12.
sexcarinatum, Goldf. Petrif. 3, 166, 12, vol. iii. G. *C.*
striatum, Sow. M. Con. pl. 76. E. *C.*
subarcuatum, Con. 1853, Jour. Acad. 2d s. vol. ii, 276, 24, 13. N. J. *C.*

DOLIUM, Humph. 1797.

nodulosum, Sow. (STROMBUS), M. Con. 426 and 427.

DRILLIA, Gray, 1838.

distans, Con. Jour. Acad. 2d s. vol. iv, 286, 46, 49. Ala., Miss. *C.*
novemcostata, Con. ibid. vol. iii, 331, 35, 13. Miss. *C.*
? Tippana, Con. ibid. vol. iii, 331, 35, 5. Miss. *C.*

EMARGINULA, Lam. 1801.

affinis, Sow. Dixon's Geol. Suss. 348, 27, 20–25. E. *C.*
carinata, Reuss, Böhm. Kreid. 41, 11, 6. G. *C.*
comosa, Roem. Sp. (**Patella**), d'Orb. Prod. 232. G. *C.*
cretacea, d'Orb. Prod. 292. Fr. *Danien.*
cretosa, Dujard. M. G. S. F. vol. ii, 230, 17, 1. Fr. *C.*
Guerangeri, d'Orb. P. F. 393, 234, 9–12. Fr. *U. G.*
? Naissanti (ii), Heb. M. G. S. F. 2d s. vol. iv, 374, 29, 10. Fr. *C.*
Neocomensis, d'Orb. P. F. 392, 234, 4–8. Fr., E. *L. G., N.*
Pelagica, Passy, Geol. Seine Inf. 335, 16, 2. Fr. *U. G.*
reticulata, Leym. (Neocomensis), M. G. S. F. vol. v, p. 30.
Sanctae-Catharinae, Passy, Geol. Seine Inf. 335, 16, 1. Fr. *U. G.*
Toucasiana, d'Orb. Prod. 232. Fr. *C.*
Varusensis, d'Orb. Prod. 134. Fr. *C.*

EULIMA, Riss. 1826.

Albensis, d'Orb. P. F. 65, 115, 14–16. Fr. *N.*
amphora, d'Orb. P. F. 66, 156, 1. Fr. *C.*

antiqua, Forbes, G. T. 2d s. vol. vii, 134, 12, 17. India. *C.*
melanoides, Desh. in Leym. M. G. S. F. vol. v, pl. 16, f. 6. Fr. *N.*
Requieniana, d'Orb. P. F. 67, 155, 18. Fr. *C.*
seminosa, Gabb, 1860, Proc. Acad. 197, 3, 6. Chili. *C.*
? *Texana*, Roem. (ACTAEONINA), Kreid. Tex. 40, 4, 2.

FASCIOLARIA, Lam. 1801.

elongata, Sow. (VOLUTA), G. T. 1835, pl. 39, f. 22.
prima, d'Orb. Prod. 291. Fr. *Danien.*
Roemeri, Reuss (MITRA), Böhm. Kreid. 111, 9, 10.
supracretacea, d'Orb. Prod. 291. Fr. *Danien.*
Saffordii, Gabb, Jour. Acad. 2d s. vol. iv, 390, 68, 6. Tenn. *C.*

FICUS, Klein, 1753. (**Syctyphus**, Browne, 1756.)

minimus, Hoen. Sp. (**Pyrula**), Gabb, 1861. G. *C.*
octoliratus, Con. (PERISSOLAX), Jour. Acad. 2d s. vol. iii, 332, 35, 6.
Pondicherriensis, Forbes, Sp. (**Pyrula**), Gabb, 1861. India. *C.*

FISSURELLA, Lam. 1801.

depressa, Gein. *not Lam.* (subdepressa), Char. Kreid. 75, 18, 24.
laevigata, Goldf. Petrif. vol. iii, 8, 167, 14. Fr., G. *C.*
*patelloides, Reuss, Böhm. K. 41, 11, 9. G. *C.*
subdepressa, d'Orb. Prod. 232. G. *C.*

FOSSAR.

? Nebrascensis, M. & H. 1860, Proc. Acad. 423. Nebraska. *C.*

FUSUS, Lam. 1799.

abbreviatus, Mich. *not Lam.* (Clementinus), M. G. S. F. vol. iii, p. 100.
Actaeon, d'Orb. (*male Acteon*), Prod. 155. Fr. *U. G.*
Alabamensis, d'Orb. Prod. 228. Ala. *C.*
Albensis, d'Orb. P. F. 334, 222, 8–10. Fr. *G.*
Alpinus, d'Orb. Prod. 133. Fr. *G.*
amictus, Munst. (CERITHIUM), in Goldf. Petrif. vol. iii, 24, 171, 19.

* d'Orbigny says in his Prodrome "peut être la même que la précédente espèce" (laevigata).

atavus, Forbes, Sp. (**Triton**), d'Orb. Prod. 230. India. *C.*
bilineatus, P. & R. (subbilineatus), Env. Genèv. 272, 26, 6.
breviplicatus, Forbes, Sp. (**Voluta**), d'Orb. Prod. 230. India. *C.*
brevissimus, d'Orb. Sp. (? PERISSOLAX), Prod. 228. Ala. *C.*
Brightii, Sow. Sp. (**Pyrula**), d'Orb. Prod. 155. Eng. *U. G.*
buccinoides, d'Orb. *not Gratel.* (subbuccinoides), Voy. Astrol. pl. 4, f. 41, 42.
calcar, Sow. Sp. (**Murex**), d'Orb. Prod. 155. Eng. *U. G.*
carinatulus, Munst. Sp. (**Pyrula**), d'Orb. Prod. 229. G. *C.*
carinatus, Roem. Sp. (**Pyrula**), d'Orb. Prod. 228. G. *C.*
carinella, Sow. (subcarinella), G. T. 2d s. vol. iii, pl. 39, f. 24.
carinifer, Reuss (subcarinifer), Bohm. Kreid. 43, 9, 13.
Chilinus, d'Orb. Voy. Astrolabe, pl. 4, f. 29. Chili. *C.*
cingulatus, Sow. G. T. 2d s. vol. iii, pl. 39, f. 27. G. *C.*
clathratus, Sow. (subclathratus), G. T. 2d s. vol. iv, 240, 18, 19.
clementinus, d'Orb. P. F. 339, 223, 8–9. Fr. *G.*
costato-striatus, Munst. (SCALA), in Goldf. Petrif. vol. iii, 24, 171, 18.
Cottae, Roem. Sp. (**Pyrula**), d'Orb. Prod. 229. G. *C.*
Cottaldinus, d'Orb. Prod. 133. Fr. *G.*
contortus, M. & H. (TURRIS), Proc. Acad. 1856, p. 65.
Culbertsonii, M. & H. 1856, Proc. Acad. p. 65. Nebraska. *C.*
Dakotensis, M. & H. (NEPTUNEA), 1856, Proc. Acad. p. 65. Nebraska. *C.*
decussatus, P. & R. *not Desh.* (subdecussatus), Env. Genèv. 273, 26, 7.
delphinulus, d'Orb. Prod. 71. Fr. *N.*
depauperatus, Reuss. Bohm. Kreid. 44, 12, 7. G. *C.*
depressus, Munst. Sp. (NEPTUNEA), d'Orb. Prod. 229. G. *C.*
difficilis, d'Orb. (NEPTUNEA), Voy. dans. Am. Mer. 118, 12, 11–12.
Dupinianus, d'Orb. P. F. 334, 222, 6, 7. Fr. *G.*
Durvillei, d'Orb. (PERISSOLAX), Voy. Astrolabe, pl. 5, f. 1.
elegans, Desh. Sp. (subelegans), d'Orb. P. F. 337, 222, 4, 5.
Ellerii, Con. Lynch's Exped. 226, 16, 82. Syria. *C.*
Espaillaci, d'Orb. P. F. 340, 224. Fr. *C.*
Eufalensis, Tuomey, 1855, Proc. Acad. p. 169. Ala. *C.*
Fisianus, P. & R. Env. Genèv. 273, 26, 5. Fr. *G.*
Fleuriausianus, d'Orb. P. F. 343, 226, 1. Fr. *C.*
? flexuicostatus, M. & H. 1856, Proc. Acad. p. 66. Nebraska. *C.*
fluctuosus, Forbes, Sp. (**Murex**), d'Orb. Prod. 230. India. *C.*

Fontanieri, d'Orb. (GLADIUS palliatus), Astrolabe, pl. 5, f. 6, 7.
Forbesianus, d'Orb. Prod. 229. India. *C.*
Galathea, d'Orb. Prod. 155. Fr. *U. G.*
Galpinianus, M. & H. 1856, Proc. Acad. p. 65. Nebraska. *C.*
Gaultinus, d'Orb. P. F. 335, 223, 1. Fr. *G.*
Haleanus, d'Orb. (NEPTUNEA), Prod. 228.
Haydeni, Evans & Shum. (Culbertsonii), Trans. Acad. St. Louis, 1860, p. 91.
Hombroniana, d'Orb. (PERISSOLAX), Voy. Astrol. pl. 1, f. 31.
indecisus, d'Orb. Prod. 133. Fr. *G.*
infracretaceus, d'Orb. (NEPTUNEA), 332, 222, 2–5.
intertextus, M. & H. 1857, Proc. Acad. 139. Nebraska. *C.*
Itierianus, d'Orb. P. F. 336, 223, 2, 3. Fr., G. *G.*
longirostra, d'Orb. Sp. (PERISSOLAX), Prod. 229.
Marrotianus, d'Orb. P. F. 342, 225, 2. Fr. *C.*
Mullicaensis, Gabb (**Pleurotoma**), 1861. N. J. *C.*
muricatus, Sow. (CERITH. peregrinorsum), G. T. 2d s. vol. iv, pl. 39, f. 25.
Neocomiensis, d'Orb. P. F. 331, 222, 1. Fr. *N.*
Neptuni, d'Orb. (NEPTUNEA), Prod. 291.
Nereidis, Munst. in Goldf. Petrif. vol. iii, 24, 171, 20. G. *C.*
Nereis, d'Orb. (NEPTUNEA), Prod. 228.
nodosus, Reuss. (Fleuriausianus), B. Kreid. pl. 10, f. 1.
ornatus, d'Orb. (NEPTUNEA), P. F. 333, 222, 11–13.
Newberryi, M. & H. (PYRIFUSUS?), 1857, Proc. Acad. p. 66.
planulatus, Roem. Sp. (**Pyrula**), d'Orb. Prod. 228. G. *C.*
? Pedernalis, Roem. Kreid. Tex. 38, 4, 13. Texas. *C.*
ponderosus, d'Orb. (NEPTUNEA), Voy. Astrol. pl. 2, f. 33.
Pondicherriensis, Forbes, Sp. (**Murex**), d'Orb. Prod. 230. India. *C.*
propinquus, Munst. in Goldf. Petrif. Germ. 23, 171, 16. G. *C.*
Proserpinae, Munst. ibid. 23, 171, 17. G. *C.*
purpuriformis, Forbes, Sp. (**Voluta**), d'Orb. Prod. 229. India. *C.*
quadratus, Sow. M. Con. 410. E., G. *U. G.*
Renauxianus, d'Orb. P. F. 339, 223, 10. Fr. *C.*
Requienianus, d'Orb. P. F. 342, 225, 3. Fr. *C.*
retifer, Gabb, 1860, Jour. Acad. vol. iv, 2d s. 301, 48, 11. N. J. *C.*
rigidus, Sow. in Fitt. G. T. 2d s. vol. iv, pl. 18, f. 16. E. *U. G.*
Royanus, d'Orb. Prod. 228. Fr. *C.*
rusticus, Sow. in Fitt. G. T. 2d s. vol. iv, pl. 18, f. 18. E. *U. G.*
rusticus, d'Orb. *not Sow.* (Gaultinus), P. F. 335, 223, 1.
Sabaudinus, P. & R. Env. Genèv. 273, 26, 7. Fr. *G.*

Scarboroughii, M. & H. 1857, Proc. Acad. p. 139. Nebraska. *C.*
semicostatus, Munst. Sp. (**Conus**), P. Germ. 14, 169, 2. G. *C.*
semiplicatus, Munst. Sp. (**Pleurotoma**), Germ. 20, 170, 11. G. *C.*
Smithii, Sow. Sp. (**Pyrula**), d'Orb. Prod. 133. E. *G.*
subabbreviatus, Sow. Sp. (**Pyrula**), d'Orb. Prod. 228. G. *C.*
Shumardi, H. & M. Mem. Acad. Boston, 2d s. vol. v, 391, 3, 6. Nebraska. *C.*
subbilineatus, d'Orb. Prod. 133. Fr. *G.*
subbuccinoides, d'Orb. Prod. 229. India. *C.*
subcancellatus, d'Orb. Prod. 229. India. *C.*
subcarinella, d'Orb. Prod. 228. G. *C.*
subcarinifer, d'Orb. Prod. 229. G. *C.*
subclathratus, d'Orb. Prod. 155. E. *U. G.*
snbcostatus, d'Orb. Prod. 228. G. *C.*
subdecussatus, d'Orb. Prod. 134. Fr. *G.*
subelegans, d'Orb. Prod. 133. Fr. *G.*
subheptagonus, d'Orb. Prod. 228. G. *C.*
subincertus, d'Orb. Prod. 229. India. *C.*
subplicatus, d'Orb. Prod. 228. G. *C.*
subsemicostatus, d'Orb. Prod. 228. G. *C.*
subsemiplicatus, d'Orb. Prod. 229. G. *C.*
subturritus, M. & H. 1857, Proc. Acad. 139. Neb. *C.*
suturalis, Munst. Sp. (**Pleurotoma**), d'Orb. Prod. 229. G. *C.*
Tippana (us), Con. 1860, Jour. Acad. 2d s. vol. iv, 286, 46, 42. Ala. *C.*
? tenuilineatus, H. & M. Mem. Acad. Bost. 2d s. vol. v, 394, 3, 9. Nebraska. *C.*
trunculus, P. & R. Env. Genev. 271, 26, 4. Fr. *G.*
trivolous, Gabb (PERISSOLAX), Proc. Acad. 1860, 94, 2, 5.
turritellatus, d'Arc. Sp. (**Turbo**), M. G. S. T. 2d s. vol. ii, 190, 12, 11. Fr. *C.*
Vaughani, M. & H. 1857, Proc. Acad. 138. Neb. *C.*
Vibrayeanus, d'Orb. P. F. 338, 223, 6, 7. Fr. *G.*
vinculum, M. & H. (**Buccinum**), 1860, Proc. Acad. 183. Nebraska. *C.*
Holmesianus, Gabb, 1860, Jour. Acad. vol. iv, 389, 68, 4. Ala. *C.*

GLADIUS, Klein, 1753 (**Rostellaria**, Lam. 1799).

acutus, d'Orb. Sp. (**Rostellaria**), Gabb, 1861. Fr. *N.*
acutirostrus, Pusch. Sp. " " G. *C.*

Aegion, d'Orb. Sp. (**Rostellaria**), Gabb, 1861.			G.	*U. G.*
Alpinus, d'Orb. Sp.	"	"	Fr.	*U. G.*
Americanus, d'Orb. Sp.	"	"	N. Gren.	*N.*
angulosus, d'Orb. Sp.	"	"	N. Gren.	*N.*
anserinus, Nils. Sp.	"	"	G., Sweden.	*C.*
Aonis, d'Orb. Sp.	"	"	Fr.	*U. G.*
arenarum, Morton, Sp.	"	"	N. J., Ala.	*C.*
Astierianus, d'Orb. Sp.	"	"	Fr.	*N.*
Boussingaultii, d'Orb. Sp.	"	"	N. Grenada.	*N.*
Buchii, Munst. Sp. (**Chenopus**),		"	G.	*C.*
calcaratus, Sow. Sp. (**Rostellaria**),		"	E.	*U. G.*
carinatus, Mant. Sp.	"	"	E., Fr.	*G.*
carinellus, d'Orb. Sp.	"	"	G., Fr.	*G.*
? Cheyennensis, M. & H. Proc. Acad. 1860, p. 422.			Nebraska.	*C.*
cingulatus, P. & R. Sp. (**Rostellaria**), Gabb, 1861.			Fr.	*G.*
coarctatas, Geinitz, Sp.	"	"	G.	*C.*
collinus, Con. Sp.	"	"	Syria.	*C.*
compositus, Phil. Sp.	"	"	E.	*L. G.*
costae, Sharpe, Sp.	"	"	Portugal. "*Lower Cret.*"	
costatus, Sow. Sp.	"	"	G.	*C.*
Delucii, P. & R. Sp.	"	"	Fr.	*G.*
divaricatus, Reuss, Sp.	"	"	G.	*C.*
Drunensis, d'Orb. Sp.	"	"	Fr.	*G.*
elatior, d'Orb. Sp.	"	"	India.	*C.*
elongatus, Sow. Sp.	"	"	E.	*G.*
emarginulatus, Gein. Sp.	"	"	G.	
fusiformis, P. & R. Sp.	"	"	Fr.	*G.*
Gargasianus, P. & R. Sp.	"	"	Fr.	*G.*
Geinitzii, d'Orb. Sp.	"	"	G.	*U. G.*
glabrus, Forbes, Sp.	"	"	E., Fr.	*L. G.*
granulatus, Sow. Sp.	"	"	G.	*C.*
Grasianus, P. & R. Sp.	"	"	Fr.	*G.*
inornatus, d'Orb. Sp.	"	"	Fr.	*U. G.*
irregularis, d'Orb. Sp.	"	"	Fr.	*N.*
Itierianus, d'Orb. Sp.	"	"	Fr.	*G.*
læviusculus, Sow. Sp.	"	"	G.	*C.*
Mailleanus, d'Orb. Sp.	"	"	Fr.	*U. G.*
Megaera, d'Orb. Sp.	"	"	E., G.	*U. G.*
megaloptera, Reuss, Sp.	"	"	G.	*C.*
Moutonianus, d'Orb. Sp.	"	"	Fr.	*N.*

Muletii, d'Orb. Sp.	(**Rostellaria**), Gabb, 1861.		Fr.	*G.*
mucronatus, d'Orb. Sp.	"	"	G. *U.*	*G.*
Neckerianus, P. & R. Sp.	"	"	Fr.	*G.*
Nereis, d'Orb. Sp.	"	"	Fr. *U.*	*G.*
Moulenianus, d'Orb. Sp.	"	"	Fr.	*C.*
Orbignyanus, P. & R. Sp.	"	"	Fr.	*G.*
ornatus, d'Orb. Sp.	"	"	Fr.	*C.*
Parkinsonii, Mant. Sp.	"	"	E., Fr., G.	*G.*
pennatus, Morton, Sp.	"	"	Del., N. J., Ala.	*C.*
provincialis, d'Orb. Sp.	"	"	Fr.	*N.*
pseudosubulatus, d'Orb. Sp.	"	"	G.	*G.*
Pyrenaicus, d'Orb. Sp.	"	"	Fr.	*C.*
Requienianus, d'Orb. Sp.	"	"	Fr.	*C.*
Reussi, Geinitz, Sp.	"	"	G. *U.*	*G.*
Robinaldinus, d'Orb. Sp.	"	"	Fr.	*N.*
rostratus, Gabb,	"	"	N. J., Ala.	*C.*
Royerianus, d'Orb. Sp.	"	"	Fr.	*N.*
scalaris, d'Orb. Sp.	"	"	Fr.	*N.*
Schlotheimii, Reuss, Sp.	"	"	G.	*C.*
securiferus, Forbes, Sp.	"	"	India.	*C.*
semilineatus, Goldf. Sp.	(**Pleurotoma**), Gabb, 1861.		G.	*C.*
simplex, d'Orb. Sp.	(**Rostellaria**), Gabb, 1861.		Fr.	*C.*
striatus, Goldf. Sp.	"	"	G.	*C.*
subcompositus, d'Orb. Sp.	"	"	E. *L.*	*G.*
subelongatus, d'Orb. Sp.	"	"	E., Fr.	*C.*
submarginatus, d'Orb. Sp.	"	"	Fr.	*G.*
subsubulatus, d'Orb. Sp.	"	"	G.	*C.*
tenuistriatus, Reuss, Sp.	"	"	G.	*C.*
Timotheanus, P. & R. Sp.	"	"	Fr.	*G.*
tricostatus, d'Orb. Sp.	"	"	Fr.	*G.*
turritus, Roem. Sp.	(**Buccinum**), Gabb, 1861.		G.	*C.*
varicosus, d'Orb. Sp.	(**Rostellaria**), Gabb, 1861.		Fr. *U.*	*G.*
Varusensis, d'Orb. Sp.	"	"	Fr.	*N.*
Vespertilis, Munst. Sp.	"	"	G.	*C.*
Westphalicus, d'Orb. Sp.	"	"	G.	*C.*

GLOBICONCHA, d'Orb. 1843.

coniformis, Roem. Kreid. Tex. 42, 4, 5.	Texas.	*C.*
elevata, Shumard, Marcy's Rep. 208, 4, 3.	Tex., Indian Terr.	*C.*
elongata, d'Orb. Prod. 220.	Fr.	*C.*
Fleuriausa, d'Orb. P. F. 144, 169, 18.	Fr.	*C.*

Marrotiana, d'Orb. P. F. 145, 170, 1, 2. Fr. *C.*
*oliva, d'Orb. Prod. 220. Ala. *C.*
ovula, d'Orb. P. F. 145, 173, 3. Fr. *C.*
planata, Roem. Kreid. Tex. 41, 4, 6. Texas. *C.*
rotundata, d'Orb. P. F. 143, 169, 17. Fr. *U. G.*
tumida, Shumard, Marcy's Rep. 208, 5, 3. Texas. *C.*

HARPAGO, Klein. 1753 (**Pterocera**, Lam. 1799.)

Beaumontianus, d'Orb. Sp. (**Pterocera**), Gabb, 1861. Fr. *N.*
bicarinatus, d'Orb. Sp. " " Fr. *G.*
carinellus, P. & R. Sp. " " Fr. *G.*
Collegnii, d'Arc. Sp. " " Fr. *U. G.*
Dupinianus, d'Orb. Sp. " " Fr. *N.*
Emericii, d'Orb. Sp. " " Fr. *N.*
Fittonii, Forbes, Sp. " " E., Fr. *L. G.*
Gaultinus, P. & R. Sp. (**Pterodonta**), Gabb, 1861. Fr. *G.*
inflatus, d'Orb. Sp. (**Pterocera**), Gabb, 1861. Fr. *U. G.*
marginatus, d'Orb. Sp. " " Fr. *U. G.*
Moreausianus, d'Orb. Sp. " " Fr. *N.*
Neocomiensis, d'Orb. Sp. " " Fr. *N.*
Pelagi, Brong. Sp. (**Strombus**), Gabb, 1861. Fr., G. *N.*
polycerus, d'Orb. Sp. (**Pterocera**), Gabb, 1861. Fr. *U. G.*
pseudobicarinatus, d'Orb. Sp. " " G. *C.*
pseudoretusus, d'Orb. Sp. " " Fr. *G.*
retusus, Sow. Sp. (**Rostellaria**), Gabb, 1861. E., G. *G.*
Rochatianus, d'Orb. Sp. (**Pterocera**), Gabb, 1861. Fr. *N.*
speciosus, d'Orb. Sp. " " Fr. *N.*
supracretaceus, d'Orb. Sp. " " Fr. *C.*
Tippanus, Con. Jour. Acad. 2d s. vol. iii, 331, 35, 25. Miss. *C.*
Toucasianus, d'Orb. Sp. (**Pterocera**), Gabb, 1861. Fr. *C.*
tricarinatus, d'Orb. Sp. " " Fr. *N.*
Verneuili, d'Orb. Sp. " " Fr. *U. G.*

HELCION, Montf. 1810.

alveolatus, M. & H. (ANISOMYON), Proc. Acad. 1856, p. 68.
angulosa, Gein. Sp. (**Patella**), d'Orb. Prod. 232. G. *C.*
borealis, Morton, Sp. (ANISOMYON), Gabb, Cat. Cret. 1859, p. 7.

* It is to be regretted that M. d'Orbigny did not give more extended descriptions in his Prodrome. He says of this species: "Petite espèce de la forme d'une olive, lisse." There may be a dozen species to which that might apply.

campanulata, Reuss, Sp. (**Patella**), d'Orb. Prod. 193. G. *C.*
carinatus, M. & H. (A. borealis), Proc. Acad. 1856, p. 68.
conica, d'Orb. Prod. 134. Fr. *G.*
corrugata, Forbes, Sp. (**Patella**), d'Orb. Prod. 232. India. *C.*
dimidiata, Reuss, Sp. (**Acmaea**), d'Orb. Prod. 232. G. *C.*
Gaultina, P. & R. Sp. (**Acmaea**), d'Orb. Prod. 135. Fr. *G.*
Hebertiana, d'Orb. Prod. 293. Fr. *Danien.*
inflata, P. & R. Sp. (**Acmaea**), d'Orb. Prod. 232. Fr. *G.*
lamellosa, Koch, Sp. (**Patella**), d'Orb. Prod. 72. G. *N.*
Martinianus (a), d'Orb. Prod. 105. Fr. *N.*
orbis, Roem. Sp. (**Patella**), d'Orb. Prod. 232. G. *C.*
patelliformis, M. & H. (ANISOMYON), 1856, Proc. Acad. 68.
*pelagi, d'Orb. Prod. 156. Fr. *U. G.*
Reussii, Gein. Sp. (**Acmaea**), d'Orb. Prod. 232. Fr., G., India. *C.*
semistriata, Reuss, Sp. (**Patella**), d'Orb. Prod. 232. G. *C.*
sexsulcatus, M. & H. (ANISOMYON), 1856, Proc. Acad. p. 68.
subcentralis, d'Arc. Sp. (**Acmaea**), d'Orb. Prod. 156. Fr. *U. G.*
subovatus, M. & H. (ANISOMYON), 1856, Proc. Acad. p. 68.
subtenuicosta, d'Orb. Prod. 193. G. *C.*
tentorium, Morton, Sp. (**Patella**), d'Orb. Prod. 232. N. J. *C.*
tenuicosta, Mich. Sp. (**Patella**), d'Orb. P. F. 398, 235, 7–10. Fr. *G.*
tenuicosta, Reuss, *not d' Orb.* (subtenuicosta), B. Kreid. 110, 44, 11.

HELICOCRYPTUS, d'Orb. 1847.

radiatus, Sow. Sp. (**Planorbis**), d'Orb. Prod. 151. E., Fr. *U. G.*

HELIX, Mull. 1774.

Gentii, Sow. (NATICA Gaultiana), M. Con. 145.

Hipponyx, Defr. 1819.

borealis, Morton (ANISOMYON), Jour. Acad. 1st s. vol. viii, p. 210.

INFUNDIBULUM, Montf. 1810.

cretaceum, d'Orb. P. F. 390, 234, 1–3. Fr. *C.*
supracretacea (um), d'Orb. Prod. 292. Fr. *Danien.*

* "Coquille lisse très-évasee! !" Can this be identified?

LITTORRINA, Ferrus. 1821.

decussata, Leym. (TURBO), M. G. S. F. vol. v, 13, 17, 6.
elegans, Leym. (TURBO), id. 14, 17, 7.
gracilis, Sow. *not Brocchi* (Fittoni), G. T. 2d s. vol. iv, pl. 18, f. 12.
Fittoni (ii), d'Orb. Sp. (**Turbo**), Gabb, 1861. E. *U. G.*
monilifera, Sow. G. T. 2d s. vol. iv, pl. 18. E. *U. G.*
plicatilis, Desh. in Leym. (GLADIUS Parkinsonii, *juv.*), M. G. S. F. 2d s. vol. v, 17, 17, 8.
pungens, Sow. (NATICA), G. T. 2d s. vol. iv, pl. 18, 5.
Roissyi, d'Arc. (TURBO), M. G. S. F. 337, 23, 3, vol. ii, 2d s.
sculpta, Reuss (T. subsculpta), B. Kreid. 49, 10, 16.

LUNATIA, Gray, 1847.

Halli, Gabb, Jour. Acad. 2d s. vol. iv, 391, 68, 11. N. J. *C.*
Moreauensis, M. & H. (**Natica**), ibid. 422. Neb. *C.*
Occidentalis, M. & H. (**Natica**), Proc. Acad. 1860, 422. Neb. *C.*
subcrassa, M. & H. (**Natica**), Proc. Acad. 1860, p. 422. Neb. *C.*
Texana, Con. Sp. (**Natica**), Gabb, 1861. Tex. *C.*

MARGARITA, Meek & Hayden, 1860.

flexuistriata, E. & S. Sp. (**Solarium**), M. & H. 1860, Proc. Acad. 423. Neb. *C.*
Nebrascensis, M. & H. (**Turbo**), 1856, Proc. Acad. p. 64. Neb. *C.*

Melania, Lam. 1799.

decorata, Roem. (SCALA), Nord. Kreid. 82, 12, 11.

Melanopsis, Ferr. 1807.

attenuata, Sow. (CERITHIUM), G. T. 2d s. vol. iv, 178, 22, 5.
Clementina, Mich. (SCALA), Mag. Zool. Comp. 4, pl. 39.
tricarinata, Sow. (CERITHIUM subtricarinatum), G. T. vol. iv, 178, 22, 4.

MITRA, Humph. 1797.

cancellata, Sow. G. T. 2d s. vol. iii, pl. 39, f. 30. G. *C.*
cancellata, d'Orb. *not Sow.* (Cassisiana), P. F. 329, 221, 5.
Cassisiana, d'Orb. Prod. 154. *U. G.*
clathrata, Reuss, Böhm. Kreid. 44, 11, 13. G. *C.*

Requieni, d'Orb. Prod. 154. Fr. *U. G.*
reticulata, Roem. Sp. (*Cerithium*), d'Orb. Prod. 226. G. *C.*
Roemeri, Reuss, Sp. (*Fasciolaria*), d'Orb. Prod. 226. G. *C.*
Vignyensis, d'Orb. Prod. 291. Fr. *Danien.*

Monodonta, Lam. 1799.

trochleata, Dujard. (TURBO), M. G. S. F. vol. ii, 231, 17, 5.

MOREA, Con. 1860.

cancellaria, Con. Jour. Acad. 2d s. vol. iv, 290, 46, 30. Miss. *C.*
naticella, Gabb, id. 301, 48, 15. N. J. *C.*

MUREX, Linn. 1758.

calcar, Sow. (FUSUS), M. Con. 410.
fluctuosus, Forbes (FUSUS), G. T. 2d s. vol. vii, 126, 13, 19.
Genevensis, P. & R. (FUSUS), Env. Genèv. 269, 26, 3.
Pondicherriensis, Forbes (FUSUS), G. T. 2d s. vol. vii, 127, 13, 20.
? Trinchinopolitensis, Forbes, G. T. 2d s. vol. vii, 127, 15, 7. India. *C.*

NARICA, d'Orb. 1841.

carinata, Sow. Sp. (**Natica**), d'Orb. Prod. 150. E. *U. G.*
Cretacea, d'Orb. P. F. 180, 175, 7–10. Fr. *U. G.*
Genevensis, P. & R. Env. Genèv. 188, 18, 5. Fr. *G.*
granosa, Sow. Sp. (**Natica**), d'Orb. Prod. E. *U. G.*

NASSA, Lam. 1799.

affinis, Sow. (CERITHIUM), G. T. 2d s. vol. iii, pl. 39, 29.
carinata, Sow. (CERITHIUM), id. pl. 39, f. 28.
costellata, Sow. (CERITHIUM), id. pl. 18, f. 26.
lineata, Sow. (BUCCINUM pseudolineatum), id. pl. 18, f. 25.

NATICA, Adanson, 1757.

abyssina, Morton, Sp. (GYRODES), Syn. 49, 13, 3.
acutimargo, Roem. (Gaultiana), Nord. Kreid. 83, 12, 14.
acutispira, Shum. Trans. St. Louis Acad. 1860, p. 597. *C.*
affinis, d'Orb. (pagoda), Voy. Astr. pl. 4, f. 3.
Allaudiensis, Math. (bulimoides), Catalogue.
alveata, Con. (GYRODES), Jour. Acad. 2d s. vol. iv, p. 289, 46, 45.

ambigua, M. & H. (FOSSAR? Nebrascensis), Proc. Acad. 1856, p. 66.
angulata, Sow. G. T. 2d s. vol. iii, pl. 38, f. 12. G. *C.*
Araucana, d'Orb. Am. Merid. 115, 12, 4–5. Chili. *C.*
Arduennensis, d'Orb. Prod. 129. Fr. *G.*
Auca, d'Orb. Voy. Astr. pl. 4, 22–23. Chili. *C.*
Australis, d'Orb. Am. Merid. 115, 14, 3–5. Chili. *C.*
Bogotina, d'Orb. Prod. 104. Bogota. *C.*
Bruguierii, Math. Catal. 230, 39, 1. Fr. *N.*
bulbiformis, Sow. G. T. 2d s. vol. iii, pl. 12, f. 38. G. *C.*
bulbiformis, d'Orb. *not Sow.* (subbulbiformis), P. F. 162, 174, 3.
bulimoides, Desh. Sp. (**Ampullaria**), d'Orb. P. F. 153, 172, 2, 3. France, Portugal. *N.*
canaliculata, Sow. (Gaultina), in Fitt. G. T. 2d s. vol. iv, pl. 11, f. 12.
canaliculata, Gein. (Geinitzii), Nach. 10, 1, 20.
carinata, Sow. (NARICA), Fitt. G. T. vol. iv, 241, 18, 8.
carinata, Roem. (subcarinata), Nord. Kreid. 83, 12, 15.
Carteroni, d'Orb. Prod. 68. Fr. *N.*
Cassisiana, d'Orb. P. F. 166, 175, 1–4. Fr. *U. G.*
Chilina, d'Orb. Voy. Astr. pl. 1, 24–26. Chili. *C.*
Clementina, d'Orb. P. F. 154, 172, 4. Fr., G. *G.*
collina, Con. (LUNATIA Texana *juv.?*), Emory's Rep. 157, 13, 2.
Coquandiana, d'Orb. P. F. 151, 171, 1. Fr. *N.*
concinna, H. & M. Mem. Acad. Boston, 2d s. vol. v, 389, 3, 2. Neb., Miss., Ala., N. J., Tenn. *C.*
Cornueiliana, d'Orb. P. F. 150, 170, 4, 5. Fr. *N.*
crenata, Con. (GYRODES), Jour. Acad. 2d s. vol. iv, p. 289.
cretacea, Goldf. Petrif. vol. iii, 119, 199, 12. G. *C.*
dichotoma, Geinitz, Nacht. Kreid. 10, 1, 19. G. *C.*
difficilis, d'Orb. P. F. 163, 174, 4. Fr. *U. G.*
Dupinii, Leym. M. G. S. F. 2d s. vol. v, p. 13, 16, 7. Fr., E., Portugal. *G., C.*
Ervyna, d'Orb. P. F. 159, 173, 7. Fr., G. *G.*
Escragnollensis, d'Orb. Prod. 104. Fr. *N.*
exaltata, Goldf. (Clementina), P. Germ. 120, 199, 13.
excavata, Mich. M. G. S. F. vol. iii, pl. 12, f. 4. Fr., G. *G.*
extensa, Sow. Sp. (**Vivipara**), d'Orb. Prod. 150. E. *U. G.*
fasciata, Goldf. (subfasciata), Petrif. 120, 199, 14.
Favrina, P. & R. Env. Genèv. 181, 17, 4. Fr. *G.*
Gaultina, d'Orb. P. F. 156, 173, 3, 4. E., Fr., G. *G.*
Geinitzii, d'Orb. Prod. 150. G. *U. G.*
Gentii, Sow. Sp. (**Helix**), d'Orb. Prod. 150. E , Fr. *U. G.*

Gibboniana, Lea, Tr. Am. Phil. Soc. vol. vii, 2d s. 256, 9, 10. N. Grenada. *N.*
Grangeana, d'Orb. Voy. Astrol. pl. 1, 18, 19. Chili. *C.*
granosa, Sow. (NARICA), G. T. 2d s. vol. iv, pl. 18, f. 7.
Hispanica, d'Orb. Prod. 150. Spain, near Oviedo. *U. G.*
Hugardiana, d'Orb. P. F. 151, 171, 2. Fr. *N.*
laevigata, Desh. Sp. *not Sow.* (sublaevigata), d'Orb. P. F. 148, 170, 6–7.
lamellosa, Roen. (PHASIANELLA?), Nord. Kreid. 83, 12, 13.
Lusitanica, Sharpe, Q. J. G. S. vol. vi, 1849, pl. 24, f. 5. Portugal. *"L. Cret."*
lyrata, Sow. G. T. 2d s. vol. 3, pl. 38, f. 11. G. *C.*
Mariae, d'Orb. (AMAUROPSIS), Voy. Astrol. pl. 3, 32, 33.
Martinii, d'Orb. P. F. 164, 174, 5. Fr. *C.*
Matheroniana, d'Orb. P. F. 166, 175, 5–6. Fr. *C.*
Moreauensis, M. & H. (LUNATIA), Proc. Acad. 1856, p. 64.
munita, Forbes, Sp. (**Nerita**), d'Orb. Prod. 222. India. *C.*
Neptuni, d'Orb. Prod. 68. Fr. *N.*
nodosa, Gein. Kreid. 47, 15, 27, 28. G. *C.*
nodoso-costata, Reuss (NERITA), Bohm. Kreid. 113, 44, 21.
notata, Reuss. Bohm. Kreid. 118, 44, 20. G. *C.*
multistriata, Baily, Q. J. G. S. vol. xi, 460, 12, 8. S. Africa. *U. G.*
obliquata, H. & M. Mem. Acad. Bost. 2d s. vol. v, 389, 3, 1. Neb. *C.*
obliquestriata, Forbes, G. T. 2d s. vol. vii, 136, 12, 12. India. *C.*
occidentalis, M. & H. (LUNATIA), 1856, Proc. Acad. p. 64.
oviformis, Forbes, Sp. (**Nerita**), d'Orb. Prod. 222. India. *C.*
pagoda, Forbes, G. T. 2d s. vol. vii, 136, 12, 14. India. *C.*
paludinaeformis, H. & M. *not d' Orb.* (AMAUROPSIS), Mem. Acad. Bost. vol. v, 389, 3, 3.
Pedernalis, Roem. Kreid. Tex. 43, 4, 1. Texas. *C.*
perspicua, P. & R. Env. Genèv. 187, 18, 4. Fr. *G.*
petrosa, Morton (GYRODES), Synopsis, 48, 19, 5.
petrorsa, d'Orb. (G. petrosa), Prod. 221.
praegrandis, Roem. Kreid. Tex. p. 44. Texas. *C.*
praelonga, Desh. Leym. M. G. S. F. vol. v, 13, 16, 8. Fr. *N.*
pseudoampullaria, Math. (Hugardiana), Catalogue.
pungens, Sow. Sp. (**Littorina**), d'Orb. Prod. 150. E. *U. G.*
Rauliniana, d'Orb. P. F. 160, 174, 1. G., Fr. *G.*
Requieniana, d'Orb. P. F. 161, 174, 2. Fr. *C.*
rectilabrum, Con. (concinna), Jour. Acad. 2d s. vol. iv, 344, 35, 28.

Rhodani, P. & R. Env. Genèv. 182, 17, 3. Fr. *G.*
rotundata, Sow. Sp. (**Turbo**), d'Orb. Prod. 150. E. *U. G.*
Royana, d'Orb. P. F. 165, 174, 6. Fr. *C.*
rugosa, Hoen. (subrugosa), in Roem. Nord. Kreid. 83, 12, 16.
rugossisima, Forbes, G. T. 2d s. vol. vii, 137, 14, 7. India. *C.*
Roemeri, d'Orb. Prod. 222. G. *C.*
subbulbiformis, d'Orb. Prod. 191. Fr., G. *C.*
subcarinata, d'Orb. Prod. 221. G. *C.*
subconica, d'Orb. Prod. 150. E. *U. G.*
subcrassa, M. & H. (LUNATIA), 1856, Proc. Acad. p. 87.
subfasciata, d'Orb. Prod. 221. G. *C.*
sublaevigata, d'Orb. Prod. 68. E., Fr. *L. G., N.*
subrugosa, d'Orb. Prod. 221. G. *C.*
supracretacea, d'Orb. (GYRODES), Prod. 290. Fr. *Danien.*
suturalis, Sow. (AMAUROPSIS Mariae), Forbes, G. T. 2d s. vol. vii, 137, 15, 1.
Texana, Con. (LUNATIA), Emory's Rep. 157, 13, 1.
Toucasiana, d'Orb. Prod. 192. Fr., G. *C.*
truncata, P. & R. Env. Genèv. 185, 18, 2. Fr. *G.*
tuberculata, d'Orb. Prod. 150. Fr. *U. G.*
Tuomeyana, M. & H. (NERITOPSIS), 1856, Proc. Acad. 270.
Varusensis, d'Orb. Prod. 150. Fr. *U. G.*
vulgaris, Reuss, Bohm. Kreid. 50, 10, 22. Fr., G. *U. G.*

NEPTUNEA, Bolt. 1798.

difficilis, d'Orb. Sp. (**Fusus**), Gabb, 1861. Chili. *C.*
? depressa, Munst. Sp. (**Pyrula**), Gabb, 1861. G. *C.*
infracretacea, d'Orb. Sp. (**Fusus**), " " Fr. *N.*
Nereis, d'Orb. Sp. " " " Fr. *C.*
ornata, d'Orb. Sp. " " " Fr. *N.*
ponderosa, d'Orb. Sp. " " " India. *C.*
Dakotensis, M. & H. " Proc. Acad. 1860, p. 421. Nebraska. *C.*
Haleanus, d'Orb. Sp. " Gabb, 1861. Ala. *C.*
Neptuni, d'Orb. Sp. " " " Fr. *Danien.*
glabra, Shum. (**Pyrula**), " " Neb. *C.*
impressa, Gabb, Jour. Acad. vol. iv, 2d s. 389, 68, 5. Ala., Miss., N. J., Tenn. *C.*

NERINEA, Defr. 1825.

Subgenera, *Nerinella*, *Trochalia*, and *Ptygmatis*, Sharpe, 1849.

acus, Roem. Kreid. Tex. 42, 4, 10. Texas. *C.*
Archimedi, d'Orb. P. F. 78, 158, 3–4. Fr., Portugal. *N.*
(T.) annulata, Sharpe, 1849, Q. J. G. S. 112, 13, 1. Port. *C.*
Aunisiana, d'Orb. P. F. 86, 160, 8, 9. Fr. *U. G.*
Bagua, d'Orb. P. F. 91, 162, 1–2. Fr. *U. G.*
bicincta, Brown, Goldf. Petrif. vol. iii, 46, 117, 5. G. *C.*
(P.) bifurcata, d'Orb. P. F. 84, 160, 4–5. Fr. *N.*
? brevis, d'Homb. Firm. in d'Orb. P. F. 92, 162, 3–4. Fr. *C.*
Bronni (ii), Munst. in Goldf. 46, 177, 4. G. *C.*
Carteroni (ii), d'Orb. P. F. 83, 160, 1, 2. Fr. *N.*
? cesticulosa, Math. Sp. (**Turritella**), d'Orb. Prod. 191. Fr. *C.*
Chamousseti (ii), d'Orb. P. F. 79, 159, 1, 2. Fr. *N.*
(P.) Conimbrica, Sharpe, Q. J. G. S. vol. vi, 114, 13, 4. Portugal. "*Lower Cret.*"
Coquandiana, d'Orb. P. F. 75, 156, 3, 4. Fr. *N.*
crenata, Munst. Goldf. P. Germ. 46, 117, 2. G. *C.*
cretacea, Con. Lynch's Exped. 227, 16, 35. Syria. *C.*
dubia, d'Arc. M. G. S. F. 2d s. vol. ii, 344, 25, 4. Fr. *U. G.*
(N.) Dupiniana, d'Orb. P. F. 81, 159, 5–8. Fr. *N.*
(P.) Eschwegii, Sharpe, Q. J. G. S. vol. vi, 113, 13, 2. Portugal. *C.*
Espaillaciana, d'Orb. (bisulcata), P. F. 99, 164, 2.
(P.) Fleuriausa, d'Orb. P. F. 85, 160, 6, 7. Fr. *U. G.*
flexuosa, Sow. G. T. 2d s. vol. iii, pl. 38, f. 16. G. *C.*
Geinitzii, Goldf. Petrif. 47, 177, 8. G. *C.*
gigantea, d'Hombres. Firm. in d'Orb. P. F. 77, 158, 1, 2. Fr., Port. *N.*
granulata, Munst. in Goldf. 47, 177, 6. G. *C.*
incavata, Brown, ibid. 46, 177, 1. G. *C.*
involuta, Voltz, 1835, Jahrb. fur Min. 552, 6, 25. G. *C.*
lobata, d'Orb. P. F. 83, 160, 3. Fr. *N.*
longissima, Reuss, Bohm. Kreid. 114, 44, 1–4. G. *C.*
Marcousana, d'Orb. Prod. 67. Fr. *N.*
? Marrotiana, d'Orb. P. F. 96, 163 bis, 1–2. Fr. *C.*
Martiniana, d'Orb. Prod. 103. Fr. *N.*
(N.) Matronensis, d'Orb. P. F. 82, 159, 9–10. Fr. *N.*
monilifera, d'Orb. P. F. 95, 163, 4–6. Fr. *U. G.*

(P.) Olisiponensis, Sharpe, Q. J. G. S. vol. vi, 114, 13, 3. Portugal. *C.*
nobilis, Goldf. pl. 177, f. 9. G., Portugal. *C.*
Pailletteana, d'Orb. P. F. 88, 161, 1–3. Fr. *C.*
pauperata, d'Orb. P. F. 90, 161, 6–7. Fr. *C.*
Perigordiana, d'Orb. (CERITHIUM), P. F. 96, 163 bis, 3, 4.
Podolica, Pusch. Polens. Pal. 113, 10, 17. Poland. *C.*
pulchella, d'Orb. *not Brown* (subpulchella), P. F. 89, 161, 4, 5.
regularis, d'Orb. P. F, 87, 160, 10. Fr. *U. G.*
Renauxiana, d'Orb. P. F. 76, 157. Fr. *N.*
Requieniana, d'Orb. P. F. 94, 163, 1, 3. Fr., G. *C.*
(N.) Royeriana, d'Orb. P. F, 80, 159, 3, 4. Fr. *N.*
Schotti (ii), Con. Emory's Rep. 158, 14, 3. Texas. *C.*
(N.) subaequalis, d'Orb. P. F. 93, 162, 5. Fr. *C.*
(N.) subpulchella, d'Orb. Prod. 219. Fr. *C.*
Texana, Roem. Kreid. Tex. 41, 4, 7. Texas. *C.*
Titan, Sharpe, Q. J. G. S. 1849, vol. vi, 112, 12, 3. Portugal. *"Lower Cret."*
turritellaris, Munst. Goldf. 46, 177, 3. G. *C.*
(T.) turbinata, S. ibid. 113, 12, 2. Portugal. *"Lower Cret."*
Uchauxiana, d'Orb. P. F. 98, 164, 1. Fr. *C.*
bisulcata, d'Arc. M. G. S. F. 1836. Fr. *C.*
ampla, Goldf. Petrif. 45, 176, 10. E. *C.*
cincta, Goldf. ibid. 45, 176, 12. G. *C.*
pyramidalis, Goldf. ibid. 45, 176, 11. G. *C.*

NERITA, Arist. Linn. 1758.

arquata, Munst. Sp. (**Pileopsis**), d'Orb. Prod. 222. G. *C.*
Bourgeoisiana, d'Orb. Prod. 192. Fr. *C.*
compacta, Forbes, G. T. 2d s. vol. vii, 122, 15, 6. India. *C.*
costulata, Roem. (NERITOPSIS), Nord. Kreid. 82, 12, 12.
divaricata, d'Orb. Voy. Astrolabe, pl. 7, f. 43, 44. India. *C.*
Fittoni, Sow. Sp. (NERITINA), d'Orb. Prod. 63. E. *Weald.*
Goldfussii, Keferstein in Goldf. P. Germ. 115, 198, 20. G. *C.*
Mammaeformis, Renaux Sp. (**Trochus**), d'Orb. Prod. 104. Fr. *N.*
munita, Forbes (NATICA), G. T. 2d s. vol. vii, 122, 12, 15.
nodosa-costata, Reuss, Sp. (**Natica**), Bohm. Kreid. 113, 44, 21.
ornata, Forbes (divaricata), G. T. 2d s. vol. vii, 121, 13, 5.
ornatissima, d'Orb. Prod. 192. Fr. *C.*

oviformis, Forbes (NATICA), G. T. 2d s. vol. vii, 122, 12, 13.
plebeia, Reuss, Böhm. Kreid. 112, 44, 18. G. *C.*
turbinata, Sharpe, Q. J. G. S. vol. vi (1849), 192, 26, 6. Portugal. "*Lower Cret.*"

NERITINA, Lam. 1809.

bicornis, Sharpe, Q. J. G. S. 1849, vol. vi, 192, 24, 7. Portugal. "*Lower Cretaceous.*"
densata, Con. Jour. Acad. 2d s. vol. iv, 288, 46, 37. Miss. *C.*
Fittonii, Sow. (NERITA), G. T. 2d s. vol. iv, 178.

NERITOPSIS, Gray, 1840.

costulata, Roem. Sp. (**Nerita**), d'Orb. Prod. 222. G. *C.*
laevigata, d'Orb. P. F. 177, 176, 11–12. Fr. *C.*
Mariae, d'Orb. Prod. 69. Fr. *N.*
Moutoniana, d'Orb. Prod. 104. Fr. *N.*
ornata, d'Orb. P. F. 176, 176, 8–10. Fr. *U. G.*
pulchella, d'Orb. P. F. 177, 177 bis, 1–3. Fr. *U. G.*
Renauxiana, d'Orb. P. F. 175, 176, 5–7. Fr. *C.*
Robineausiana, d'Orb. P. F. 174, 176, 1, 4. Fr. *N.*
sublaevigata, d'Orb. Prod. 104. Fr. *N.*
? Tuomeyana, M. & H. (**Natica**), Proc. Acad. 1860, 423. Neb. *C.*
biangulatus, Shumard, Trans. Acad. St. Louis, 1860, p. 598. Texas. *C.*

OLIVA, Brug. 1789.

vetusta, Forbes, G. T. 2d s. vol. vii, 124, 12, 23. a. b. India. *C.*
Brandaris, d'Orb. (OVULA cretacea juv.), vide Prod. 291.

OVULA, Brug. 1789.

antiquata, d'Orb. Voy. Astrol. pl. 4, f. 4, 6. India. *C.*
bullaria, Lyell, Sp. (**Cypraea**), d'Orb. Prod. 291. Fr., G. *Danien.*
cretacea, d'Orb. Prod. 291. Fr. "
incerta, d'Orb. Voy. Astrol. pl. 4, f. 7, 8. India. *C.*
Kayei, Forbes, Sp. (**Cypraea**), d'Orb. Prod. 225. India. *C.*
Marticensis, Math. Sp. (**Cypraea**), d'Orb. Prod. 225. Fr. *C.*
? ventricosa, Reuss, Sp. (**Strombus**), d'Orb. Prod. 192. G. *C.*

Patella, Linn. 1758.

angulosa, Gein. (HELCION), Nacht. Kreid. 11, 6, 2–4.
campanulata, Reuss (HELCION), Böhm. Kreid. 110, 44, 9.
comosa, Roem. (EMARGINULA), Nord. Kreid. 77, 11, 2.
corrugata, Forbes (HELCION), G. T. vol. vii, 137, 12, 11.
elevata, Forbes (H. Reussii), G. T. vol. vii, pl. 12, f. 10.
laevis, Sow. (HELCION), M. Con. pl. 139, 3, 4.
lamellosa, Koch. (HELCION), Beitr. Zurkenn. Ool. 51, 6, 4.
orbis, Roem. (HELCION), Nord. Kreid. pl. 11, f. 1.
quadrata, Koch. (H. subquadrata), Beitr. Ool. 51, 6, 3.
semistriata, Munst. (HELCION), in Goldf. 7, 167, 12.
tentorium, Morton (HELCION), Synopsis, 50, 1, 11.

Pedipes, Adanson, 1757.

incrassata, Mant. Sp. (AVELLANA), Quenst. Wiegman's Archiv. 3, 249.

PERISSOLAX, Gabb, 1861.*

? brevissima, d'Orb. Sp. (**Fusus**), Gabb, 1861. Ala. *C.*

* It is with considerable reluctance that I propose a new genus in this family; but I am obliged either to do so, or suggest a modification of the characters of the genus FUSUS as now understood. There exists a group of shells in the cretaceous formation, of which *Fusus longirostris*, and *F. trivolvus*, may be taken as the types. The species of this group have been referred to various genera, but they all agree in possessing the general characters of FUSUS, but with a very low spire, patulous body, whorl, and long, straight, slender canal; in short, they have nearly the form of the genus TUDICLA or HAUSTELLUM, but have no folds, plates, or teeth on the columella. I have never seen the outer lip, but judging from casts and figures, I believe it to be plain. These shells cannot be referred to TUDICLA, FASCIOLARIA, or BUSYCON, because of the plain columella. The spire is very low, and as now understood the spire of FUSUS is as long as the aperture. They resemble the genus PAPILLINA, Conrad, of which *P. papillata*, Con. (*Fusus id.*) is the type, but that genus has a fold on the columella like BUSYCON. PYRULA is untenable; the umbilicus being entirely absent they cannot be referred to RAPA, even were the canal short. In view of these considerations, I propose the generic name PERISSOLAX (περισσος, excessive, and ωλαξ, furrow or canal), preferring to separate the species from FUSUS, rather than dispute the high authority of H. and A. Adams, and others, who maintain that the length of the spire in that genus is of generic value.

This genus seems to be peculiar to the upper members of the cretaceous formation, unless the recent species, *Pyrula coarctata*, Sow., may prove to belong to

Hombroniana, d'Orb, Sp. (**Fusus**), Gabb, 1861. Chili. *C.*
Durvillei, " " " " *C.*
longirostris, " " " " *C.*
octolirata, Con. Sp. (**Ficus**), Gabb, 1861. Ala., Miss., N. J. *C.*
trivolva, Gabb (**Fusus**), Gabb, 1861. N. J. *C.*
Richardsonii ?, Tuomey, Sp. (**Pyrula**), Gabb, 1861. Ala. *C.*

PHASIANELLA, Lam. 1804.

Beadlei, d'Orb. Prod. 152. Syria. *U. G.*
Ervina, d'Orb. P. F. 234, 188, 1–3. Fr. *G.*
formosa, Sow. G. T. 2d s. vol. iv, pl. 18, f. 14. E. *U. G.*
Gaultina, d'Orb. P. F. 233, 187, 3. Fr. *G.*
Haleana,* d'Orb. Prod. 224. Ala. *C.*
incerta, Forbes (FUSUS subincertus), G. T. vol. vii, 133, 13, 8.
? lamellosa, Roem. Sp. (**Natica**), d'Orb. Prod. 224. G. *C.*
lineolata, Reuss (ACTAEON ?), Bohm. Kreid. 49, 10, 19.
Neocomensis, d'Orb. P. F. 232, 187, 1. Fr. *N.*
ovula, d'Orb. Prod. 130. Fr. *G.*
perovata, Shumard, 1860, Trans. St. Louis Acad. 597. Texas. *C.*
punctata, Gabb, 1860, Jour. Acad. 2d s. vol. iv, 299, 48, 3. N. J. *C.*
pusilla, Sow. G. T. 2d s. vol. iv, pl. 18, f. 13. E. *U. G.*
Royana, d'Orb. Prod. 224. Fr. *C.*
Sowerbyi, d'Orb. Prod. 152. E. *U. G.*
striata, Sow. (Sowerbyi), G. T. vol. iv, 241, 18, 15, *not Striata M. Con.*
supracretacea, d'Orb. P. F. 234, 187, 4. Fr. *C.*

PHORUS, Montf. 1810.

canaliculatus, d'Orb. P. F. 180, 176, 13, 14. Fr. *C.*

it. This is the only species outside of the limits of the chalk, with which I am acquainted, that seems even closely related to it.

Four of the species are found in the upper chalk of North America; the remaining three are from a deposit of the same age in Chili, and they are, in both cases, associated with species of PUGNELLUS, another chalk genus.

The characteristic markings are revolving ribs or lines, though some of the species are plain, with subangular whorls. This appears to be the case both with P. trivolva and P. longirostris.

* "Petite espèce bein plus courte que le *Ph. supracretacea*." This is all the description given.

leprosus, Morton, Sp. (**Trochus**), d'Orb. Prod. 222. N. J., Ala. *C.*
? umbilicatus, Tuomey, 1855, Proc. Acad. vol. vii, 169. Ala. *C.*

PILEOLUS, Sow. 1823.

cretaceus, d'Orb.* Prod. 150. Fr. *U. G.*

Pileopsis, Lam. 1812.

arquata, Munst. (NERITA), in Goldf. vol. iii, 12, 168, 13.

PITONELLUS, Montf. 1810.

Archiacianus, d'Orb. (**Rotella**), Prod. 151. Fr. *U. G.*
cretaceus, d'Orb. Voy. Astrolabe, pl. 4, f. 18–21. India. *C.*

Planorbis, Guett. 1756.

radiatus, Sow. (HELICOCRYPTUS), M. Con. 140, f. 5.

Pleurotoma, Lam. 1799 (TURRIS, Bolt. 1798).

Araucana, d'Orb. (TURRIS), Voy. Astrol. pl. 4, 35, 36.
arata, Gabb (TURRIS), ibid. 198, 3, 9.
contorta, M. & H. (TURRIS), 1860, Proc. Acad. Phila. p. 183.
fusiforme, Sow. (subfusiformis), G. T. 2d s. vol. iii, pl. 39, f. 20 (not Sow. 1823).
induta, Goldf. (TURRIS), Petrif. vol. iii, 20, 170, 10.
Orbignyana, Gabb (TURRIS), 1860, Proc. Acad. 198, 3, 7.
minor, Evans & Shum. (TURRIS), Trans. St. Louis Acad. 1857, p. 41.
Mullicaensis, Gabb (FUSUS), 1860, Proc. Acad. 94, 2, 8.
semilineata, Goldf. (GLADIUS), Petrif. vol. iii, 19, 170, 13.
semiplicata, Munst. (FUSUS subsemiplicatus), Goldf. Petrif. 20, 170, 11.
spinosa, Sow. (T. subspinosa), G. T. vol. iii, pl. 39, f. 21.
subfusiformis, d'Orb. (TURRIS), Prod. 230.
subspinosa, d'Orb. (TURRIS), Prod. 230.
suturalis, Munst. (FUSUS), Goldf. Petrif. vol. iii, 20, 170, 12.

* "Espèce lisse de Sainte Calais (Sarthe)"!

PLEUROTOMARIA, Defr. 1825.

Albensis, d'Orb. P. F. 273. Fr. *G.*
Allobrogensis, P. & R. Env. Genèv. 240, 23, 3. Fr. *G.*
Alpina, d'Orb. P. F. 273. G., Fr. *G.*
Astieriana, d'Orb. Prod. 104. Fr. *N.*
Anstedi (ii), Forbes, Q. J. G. S. 1845, vol. i, 349, 5, 1. E. *L. G.*
Barremensis, d'Orb. Prod. 104. Fr. *N.*
bifrons, d'Orb. Prod. 154. Fr. *U. G.*
Bourgeoisii, d'Orb. Prod. 225. Fr. *C.*
Brongniartiana, d'Orb. P. F. 268, 203, 1, 4. Fr. *U. G.*
Carteroni (ii), d'Orb. P. F. 273. Fr. *N.*
Carthusiae, P. & R. Env. Genèv. 235. Fr. *G.*
Cassissiana, d'Orb. P. F. 266, 202, 1–4. Fr. *U. G.*
contraria, d'Orb. *not Koninck.* (nondescripta), Prod. 70.
coronata, P. & R. (Pictetiana), Env. Genèv. 241, 23, 4.
crotaloides, Morton, Sp. (**Cirrus**), d'Orb. P. F. 225. N. J., Texas, Ala. *C.*
Defrancii, Math. Cat. 237, 39, 14. Fr. *N.*
dictyota, Reuss (Trochus), Böhm. Kreid. 112, 44, 19.
depressa, Passy. (perspectiva), Geol. Seine Inf. 335.
dimorpha, d'Orb. P. F. 246, 191, 5–9. Fr. *N.*
disticha, Goldf. Petr. Germ. vol. iii, 76, 187, 5. G. *C.*
distincta, Goldf. (Goldfusii), P. G. vol. iii, pl. 187, 1.
Dumontii, d'Arc. M. G. S. F. 2d s. vol. ii, 342, 24, 3. Fr. *U. G.*
Dupiniana, d'Orb. P. F. 245, 191, 1–4. Fr. *N.*
elegans, d'Orb. (Astieriana), P. F. 242, 190, 1–4.
Espaillaciana, d'Orb. P. F. 271, 205, 1, 2. Fr. *C.*
falcata, d'Orb. P. F. 263, 200, 9–12. Fr. *U. G.*
Faucignyana, P. & R. Env. Genèv. 232, 22, 2. Fr. *G.*
Fittoni, d'Orb. Prod. 70. E. *N.*
Fittoni, P. & R. (Rouxii), Env. Genèv. 244.
Fittoni, Roem. (Roemerii), Nord. Kreid. 82, 12, 10.
Fleuriausa, d'Orb. P. F. 265, 201, 5–6. Fr. *C.*
formosa, Leym. M. G. S. F. 2d s. vol. v, pl. 16, f. 12. Fr. *U. G.*
funata, Reuss, Bohm. Kreid. 47, 10, 11. G. *C*
Galliennei, d'Orb. P. F. 256, 197, 1–6. Fr. *C.*
Gaultina, d'Orb. P. F. 247, 191, 10–11. Fr. *G.*
Geinitzii, d'Orb. Prod. 153. G. *U. G.*
Gibbsii, Sow. Sp. (**Trochus**), d'Orb. Prod. 131. E., Fr. *G.*

gigantea, Sow. G. T. 2d s. vol. iv, pl. 14, f. 16. E. *N.*
gigantea, Geinitz (Geinitzii), Nacht. Kreid. 10, 5, 5.
gigantea, Goldf. (subgigantea), P. G. 76, 187, 6.
Goldfussii, d'Orb. Prod. 225. G. *C.*
granulifera, Munst. in Goldf. P. G. 76, 187, 3. G. *C.*
Guerangeri, d'Orb. P. F. 272, 205, 3, 6. Fr. *U. G.*
Honii, d'Orb. Prod. 154. Fr. *U. G.*
Humboldtii, Von Buch. (TURRITELLA), Petrif. Rec. 9, 2, 26.
Indica, Forbes, G. T. 2d s. vol. vii, 121, 13, 13. India. *C.*
Itieriana, P. & R. Env. Genèv. 222, 22, 3. Fr. *G.*
Jason, d'Orb. Prod. 104. Fr. *N.*
Jurensisimilis, Roem. Nord. Kreid. 82, no. 2. G. *N.*
Lahayesii, d'Orb. P. F. 251, 193, 1, 4. Fr. *U. G.*
lima, d'Orb. P. F. 248, 192, 1–3. Fr., G. *G.*
Mailleana, d'Orb. P. F. 253, 195. Fr. *U. G.*
Marrotiana, d'Orb. P. F. 267, 202, 5, 6. Fr. *C.*
Matheroniána, d'Orb. P. F. 264, 201, 1–4. Fr. *U. G.*
Moreausiana, d'Orb. P. F. 260, 198, 3–6. Fr. *G.*
Moutoniana, d'Orb. Prod. 131. Fr. *G.*
Neocomensis, d'Orb. P. F. 240, 188, 8–12. Fr., G. *N.*
Neptuni, d'Orb. Prod. 153. Fr. *U. G.*
nondescripta, Gabb* (*contraria*, d'Orb.). Fr. *N.*
Nystii, d'Arc. M. G. S. F. 2d s. vol. ii, 343, 24–2. Belgium. *U. G.*
Pailletteana, d'Orb. P. F. 241, 189. Fr. *N.*
Paris, d'Orb. Prod. 131. Fr. *G.*
penultima, d'Orb. Prod. 291. Fr. *Danien.*
perspectiva, Mant. Sp. (**Cirrus**), d'Orb. P. F. 255, 196. Fr., E. *U. G.*
Phidias, d'Orb. Prod. 70. Fr. *N.*
Pictetianus (a), d'Orb. Prod. 131. Fr. *G.*
plana, Munst. Goldf. P. G. 76, 187, 4. G. *C.*
plicata, Sow. Sp. (**Cirrus**), d'Orb. Prod. 131. E. *G.*
Pollux, d'Orb. Prod. 104. Fr. *N.*
provincialis, d'Orb. P. F. 244, 190, 9–10. Fr. *N.*
quadrata, Sow. Sp. (**Solarium**), d'Orb. Prod. 225. G. *C.*
regalis, Roem. Sp. (**Trochus**), d'Orb. Prod. 225. G. *C.*
regina, P. & R. Env. Genèv. 243, 24, 2. Fr. *G.*
Requieniana, d'Orb. P. F. 262, 200, 5–6. Fr. *C.*
Rhodani, Brong. Sp. (**Trochus**), d'Orb. P. F. 250, 192, 7–8.
Fr., G., E. *G.*

* "Espèce à gauche de Morteau (Doubs)."

Robinaldi, d'Orb. P. F. 243, 190, 8. Fr. *N.*
Roemerii, Gabb, 1861 (*Fittoni*, Roem.). G.
Rouxii, d'Orb. Prod. 132. Fr. *G.*
Royana, d'Orb. P. F. 269, 203, 5, 6. Fr. *C.*
Sabaudiana, d'Orb. Prod. 131. Fr. *C.*
Santonensis, d'Orb, P. F. 258, 198. Fr. *C.*
Saussureana, P. & R. Env. Genèv. 239, 23, 1. Fr. *G.*
Saxoneti, P. & R. *id.* p. 236. Fr. *G.*
Scarpacensis, d'Arc. M. G. S. F. 2d s. vol. ii, 343, 24, 4. Fr. *U. G.*
secans, d'Orb. P. F. 261, 200, 1–4. Fr. *C.*
simplex, d'Orb. P. F. 252, 194. Fr. *U. G.*
striata, Sow. 1836, *not Sow.* 1834 (Fittoni), F. T. 2d s. vol. iv, 158, 14, 16.
striato-granulata, Goldf. (Guerangeri), Petrif. pl. 186, f. 10.
subclathrata, Sandb. Sp. (**Catantostoma**), d'Orb. Prod. 225. *C.*
subgigantea, d'Orb. Prod. 225. G. *C.*
suprajurensis, Roem. Ool. pl. 10, f. 15. G. *M.*
texta, Munst. in Goldf. 75, 187, 7. G., Fr. *U. G.*
Thurmani, P. & R. Env. Genèv. 230, 22, 1. Fr. *G.*
Toucasiana, d'Orb. Prod. 225. Fr. *C.*
turbinoides, d'Orb. P. F. 270, 204. Fr. *C.*
Uchauxiana, d'Orb. P. F. p. 273. Fr. *G.*
Varusensis, d'Orb. Prod. 104. Fr. *N.*
Verdachellensis, Forbes, G. T. 2d s. vol. vii, 121, 14, 8. India. *C.*

PSEUDOBUCCINUM, M. & H.

Nebrascense, M. & H. (**Buccinum**), 1857, Proc. Acad. p. 140. Neb. *C.*

Pterocera, Lam. 1799. (HARPAGO, 1753, Klein.)

Beaumontiana, d'Orb. (HARPAGO), P. F. 305, 213.
bicarinata, d'Orb. (HARPAGO), P. F. 307, 208, 3–5.
carinella, P. & R. (HARPAGO), Env. Genèv. 267, 26, 2.
Collegni (ii), d'Arc. (HARPAGO), M. G. S. F. 345, 25, 8.
Dupiniana, d'Orb. (HARPAGO), P. F. 312, 211, 5–7.
Emerici, d'Orb. (HARPAGO), Q. F. 306, 216, 1–2.
Fittoni, Forbes (HARPAGO), Q. J. G. S. vol. i, 350, 4, 5.
Gaultina, P. & R. Sp. (HARPAGO), d'Orb. Prod. 132.

gracilis, Reuss (PTERODONTA), Bohm. Kreid. 46, 11, 21.
incerta, d'Orb. (CASSIDARIA), P. F. 308, 215.
inflata, d'Orb. (HARPAGO), P. F. 311, 218, 1.
inornata, d'Orb. (STROMBUS), P. F. pl. 214.
marginata, d'Orb. (HARPAGO), P. F. 310, 217, 2.
Moreausiana, d'Orb. (HARPAGO), P. F. 301, 111, 1, 2.
Necomiensis, d'Orb. (HARPAGO), Prod. 71.
pelagi, Brong. Sp. (HARPAGO), d'Orb. P. F. 302, 211, 5–7.
polycera, d'Orb. (HARPAGO), P. F. 310, 217, 1.
pseudobicarinata, d'Orb. (HARPAGO), Prod. 226.
pseudoretusa, d'Orb. (HARPAGO), Prod. 132.
retusa, Sow. Sp. (HARPAGO), d'Orb. Prod. 152.
retusa, P. & R. (H. pseudoretusus), Env. Genèv. 263, 25, 11.
Rochatiana, d'Orb. (HARPAGO), Prod. 104.
speciosa, d'Orb. (HARPAGO), P. F. 303, 211, 3–4.
supracretacea, d'Orb. (HARPAGO), P. F. 309, 216, 3.
subspeciosa, d'Orb. (STROMBUS), P. F. 303, 211, 3, 4.
Toucasiana, d'Orb. (HARPAGO), Prod. 226.
tricarinata, d'Orb. (HARPAGO), Prod. 71.
Verneuili, d'Orb. (HARPAGO), Prod. 154.

PTERODONTA, d'Orb. 1843.

carinella, P. & R. (HARPAGO), Env. Genèv. 267, 26, 2.
elongata, d'Orb. P. F. 316, 218, 2. Fr. *U. G.*
Gaultina, P. & R. (HARPAGO), Env. Genèv. 266, 26, 1.
gracilis, Reuss, Sp. (**Pterocera**), d'Orb. Prod. 191. G. *C.*
Guerangeri, d'Orb. (VARIGERA), P. F. 320.
inflata, d'Orb. P. F. 318, 219. Fr. *U. G.*
intermedia, d'Orb. P. F. 319, 220, 1. Fr. *C.*
naticoides, d'Orb. Prod. 191. Fr. *C.*
ovata, d'Orb. P. F. 317, 218, 3. Fr. *C.*
pupoides, d'Orb. 319. Fr. *C.*
scalaris, d'Orb. P. F. 320. Fr. *C.*

PUGNELLUS, Con. 1860.

contortus, Sow. Sp. (**Strombus**), Gabb, 1861. India. *C.*
densatus, Con. (**Strombus**), Jour. Acad. 2d s. vol. iv, 284.
Ala., Miss. *C.*
tumidus, Gabb, 1860, Proc. Acad. 197, 3, 13–14. Chili. *C.*
uncatus, Forbes, Sp. (**Strombus**), Gabb, 1861. India. *C.*

PURPUROIDEA, Lycet. 1848.

? dubia, Gabb, 1860, Proc. Acad. 94, 2, 11. N. J. *C.*

PYRAMIDELLA, Lam. 1796.

canaliculata, d'Orb. P. F. 104, 164, 3–6. Fr. *C.*
carinata, Reuss (subcarinata), Böhm. Kreid. 113, 44, 6, 7.
? sagittata, Sharpe. P. J. G. S. 1849, 193, 2, 8. Portugal. "*Lower Cret.*"
subcarinata, d'Orb. Prod. 191. G. *C.*

PYRIFUSUS, Con. 1858.

? Newberryi, M. & H. (**Fusus**), Proc. Acad. 1860, p. 421. Neb. *C.*
subdensatus, Con. Jour. Acad. 2d s. vol. iii, 322, 35, 12. Miss. *C.*

PYRULA, Lam. 1799.

Bairdii, M. & H. (Busycon), 1856, Proc. Acad. p. 66.
Brightii, Sow. (Fusus), G. T. 2d s. vol. iv, pl. 18, f. 21.
cancellata, Sow. (F. Forbesianus), Forbes, G. T. 128, 15, 12.
carinata, Roem. (Fusus), Nord. Kreid. 78, 11, 12.
carinata, Munst. (F. carinatulus), Goldf. Petrif. 27, 172, 11.
Carolina, d'Orb. (Ficus Pondicherriensis), Voy. Astr. pl. 5, f. 34, 35.
costata, Roem. (Fusus subcostatus), Nord. Kreid. 79, 11, 10.
Cottæ, Roem. (Fusus), Nord. Kreid. 79, 11, 9.
depressa, Sow. (Rapa), G. T. 2d s. vol. iv, 242, 18, 20.
depressa, Munst. (Neptunea), Goldf. vol. iii, 27, 172, 12.
fenestrata, Roem. Nord. Kreid. 73, 11, 14. G. *C.*
infracretacea, d'Orb. (Fusus), Prod. 71. Fr.
longirostra, d'Orb. (Perissolax), Am. Merid. 119, 12, 13.
Hombroniana, d'Orb. (Perissolax), Voy. Astrol. pl. 4, f. 31.
minima, Hoen. (Ficus), Goldf. 27, 172, 10.
ornata, d'Orb. (Fusus), Prod. 71. Fr.
planulata, Nils. (Fusus), Petrif. Suec. pl. 3, f. 5.
Pondicherriensis, Forbes (Ficus), G. T. 2d s. vol. vii, 127, 12, 19.

Smithii, Sow. (FUSUS), G. T. 2d s. vol. iv, pl. 11, f. 15.
subcarinata, d'Arc. (F. Galathea), M. G. S. F. 2d s. vol. ii. 345, 25, 7.
Richardsonii, Tuomey (PERISSOLAX), 1855, Proc. Acad. p. 169.
trochiformis, Tuomey (TUDICLA), 1855, id. p. 169.
glabra, Shumard (NEPTUNEA), 1858, Trans. Acad. St. Louis, p. 125.

RAPA, Klein. 1753.

pyruloidea, Gabb, 1860, Proc. Acad. 94, 2, 4. N. J. *C.*
supraplicata, Con. 1858, Jour. Acad. 2d s. vol. iii, 332, 35, 20. Miss. *C.*
elevata, Gabb (TUDICLA), Jour. Acad. 2d s. vol. iv, 301, 48, 12.
depressa, Sow. Sp. (**Pyrula**), Gabb, 1861. E. *U. G.*

RIMELLA, Agas. 1840.

curviliratus (a), Con. 1858, Jour. Acad. 2d s. vol. iii, 331, 35, 9. Miss. *C.*
Meekiana, Gabb (**Chemnitzia** *per err.*), Jour. Acad. 2d s. vol. iv, 299, 48, 1. Ala. (*See note under Chemnitzia.*) *C.*

Ringicula, Desh. 1838.

acuta, Forbes (ACTAEON subacutus), G. T. 2d s. vol. vii, 136, 15, 3.
incrassata, Munst. (AVELLANA), Grund. der Verst. p. 337.

Ringinella, d'Orb. 1842.

Alpina, P. & R. (AVELLANA), Env. Genèv. 172, 16, 5 (*lachryma per err.*).
Clementina, d'Orb. (AVELLANA), P. F. 129, 168, 5–8.
inflata, Sow. Sp. (AVELLANA), d'Orb. P. F. 128, 168, 1–4.
lacryma, Mich. Sp. (AVELLANA), d'Orb. P. F. 127, 167, 12–21–23.
Mailleana, d'Orb. (AVELLANA), P. F. p. 131.

RISSOA, Frem. Desm. 1814.

Dupiniana, d'Orb. P. F. 60, 155, 8–10. Fr. *G.*
incerta, d'Orb. (RISSOINA), P. F. 62, 155, 11, 13.

RISSOINA, d'Orb. 1840.

incerta, d'Orb. (**Rissoa ?**), P. F 62, 155, 11–13. Fr. *G.*

Rostellaria, Lam. 1799 (GLADIUS, Klein, 1753.)

acuta, d'Orb. (GLADIUS), P. F. 298.
acutirostris, Pusch. (GLADIUS), Polens. Pal. 128, 11, 14.
Aegion, d'Orb. (GLADIUS), Prod. 155.
Alpina, d'Orb. (GLADIUS), P. F. 283, 206, 6.
Americana, d'Orb. (GLADIUS), Voy. dans Am. Mer. 80, 18, 5.
Americana, Evans & Shum. (APORRHAIS), Trans. Acad. St. Louis, vol. i, p. 42.
angulosa, d'Orb. (GLADIUS), ibid. 80, 18, 4.
anserina, Nils. (GLADIUS), Petrif. Suec. pl. 3, f. 6.
Aonis, d'Orb. (GLADIUS), Prod. 155.
arcuarium, d'Orb. (G. arenarum), Prod. 227.
arenarum, Morton (G. arenarum), Syn. 48, 5, 8.
Astieriana, d'Orb. (GLADIUS), P. F. 283, 207, 1.
biangulata, M. & H. (APORRHAIS), 1856, Proc. Acad. p. 65.
Boussingaultii, d'Orb. (GLADIUS), Am. Mer. 79, 18, 2, 3.
buccinoides, Sow. (CERITHIUM), G. T. 2d s. vol. iv, 114, 11, 17.
Buchii, Munst. Sp. (GLADIUS), Roem. Nord. K. p. 78, No. 5.
Buchii, Gein. *not Munst.* (G. Geinitzii), 1840, p. 70, 18, 6.
calcarata, Sow. (GLADIUS), M. Con. 349.
calcarata, Reuss, *not Sow.* (G. Mucronata), B. Kreid. 45, 9, 5.
calcarata, d'Orb. *not Sow.* (G. Muleti), P. F. 285, 207, 3, 4.
cancellata, Forbes (FUSUS subcancellatus), G. T. 2d s. vol. vii, 128, 13, 18.
carinata, Mant. (GLADIUS), Geol. Suss. 86, 19, 12–14.
carinella, d'Orb. (GLADIUS), P. F. 287, 207, 7–8.
cingulata, P. & R. (GLADIUS), Env. Genèv. 261, 25, 7.
coarctata, Gein. (GLADIUS), Char. Kreid. 18, 10, 71.
collina, Con. (GLADIUS), Emory's Rep. 158, 13, 3–4.
composita, Phil. *not Sow.* (GLADIUS), Geol. York. 94, 2, 33.
composita, Leym. (calcarata), M. G. S. F. vol. v, p. 31.

costae, Sharpe (GLADIUS), Q. J. G. S. vol. vi, 1849, 193, 20, 1. P.
costata, Mich. (GLADIUS Parkinsonii), M. G. S. F. vol. iii, p. 100.
costata, Sow. (GLADIUS), 1831, G. T. 2d s. vol. iii, 38, 21.
Delucii, P. & R. (GLADIUS), Env. Genèv. 262, 25, 2.
divaricata, Reuss (GLADIUS), Bohm. K. 46, 9, 2.
Drunensis, d'Orb. (GLADIUS), P. F. 298.
Dupiniana, d'Orb. (APORRHAIS), P. F. 281, 206, 1–3.
elatior, d'Orb. (GLADIUS), Voy. Astrolabe, pl. 4, f. 1.
elongata, Sow. (GLADIUS), G. T. 2d s. vol. iv, 114, 11, 16.
elongata, d'Arc. (CERITHIUM subelongatum), M. G. S. F. 2d s. 2, 345.
elongata, Roem. (G. subelongata), Kreid. 78, 11, 5.
emarginulata, Gein. (GLADIUS), Quadersand.
fusiformis, P. & R. (GLADIUS), Env. Genèv. 259, 25, 8.
fusiformis, M. & H. (G? Cheyenensis), Mem. Acad. Bost. 393, 10, 3.
Gargasiana, P. & R. (GLADIUS), Env. Genèv. 255, 27, 1.
Geinitzii, d'Orb. (GLADIUS), Prod. 155.
glabra, Forbes (GLADIUS), Q. J. G. S. vol. i, 350, 4–5.
granulata, Sow. (GLADIUS), G. T. 2d s. vol. iii, pl. 38, f. 23.
Grasiana, P. & R. (GLADIUS), Env. Genèv. 225, 27, 1.
inornata, d'Orb. (GLADIUS), P. F. 296, 210, 4–5.
irregularis, d'Orb. (GLADIUS), Prod. 71.
Itieriana, d'Orb. (GLADIUS), P. F. p. 25.
laeviuscula, Sow. (GLADIUS), G. T. 2d s. vol. iii, 38, 24.
macrostoma, Sow. (HARPAGO), G. T. 2d s. vol. iv, 242, 18, 23.
Mailleana, d'Orb. (GLADIUS), P. F. 295, 210, 2.
marginata, Sow. (Parkinsonii), G. T. 2d s. vol. iv, pl. 11, f. 18.
Megaera, d'Orb. (GLADIUS), Prod. 155.
megaloptera, Reuss (GLADIUS), Böhm. Kreid. 45, 9, 3.
Moutoniana, d'Orb. (GLADIUS), Prod. 105.
Muleti, d'Orb. (GLADIUS), Prod. 132.
mucronata, d'Orb. (GLADIUS), Prod. 155.
monodactylus, Desh. (COLUMBELLINA), M. G. S. F. 14, 17, 15.
Nebrascensis, E. & S. (APORRHAIS), 1855, Proc. Acad. 164.
Neckeriana, P. & R. (GLADIUS), Env. Genèv. 256, 25, 3.
Nereis, d'Orb. (GLADIUS), Prod. 155.
Noueliana, d'Orb. (GLADIUS), Prod. 193.
Orbignyana, P. & R. (GLADIUS), Env. Genèv. 249, 24, 4.
ornata, d'Orb. (GLADIUS), P. F. 291, 209, 1, 2.

palliata, Forbes (CALYPTRAPHORUS), G. T. 2d s. vol. vii, 129, 13, 5.
Parkinsonii, Mant. (GLADIUS), Geol. Suss. 18, 1.
Parkinsonii, Sow. (G. Megaera), G. T. 2d s. vol. iv, pl. 18, f. 24.
Parkinsonii, Gein. (G. Westphalica), Kreid. 15, 1, 3.
pennata, Morton (GLADIUS), Syn. 48, 19, 9.
pinnata, d'Orb. (*per. err.* pennata), Prod. 227.
provincialis, d'Orb. (GLADIUS), P. F. 298.
pseudosubulata, d'Orb. (GLADIUS), Prod. 132.
pyramidalis, d'Orb. (CERITHIUM Beaudouini), P. F. pl. 206, 7–8.
ovata, Munst. (SPINIGERA), Goldf. P. G. 18, 170, 3.
Pyrenaica, d'Orb. (GLADIUS), P. F. 295, 210, 3.
Requieniana, d'Orb. (GLADIUS), P. F. 293, 209, 3–4.
Reussii, Gein. (GLADIUS), Charak. Kreid. 71, 18, 1.
Reussii, Reuss, *not Gein.* (G. Megaera), Kreid. pl. 9, f. 9, b.
retusa, Sow. (HARPAGO), G. T. 2d s. vol. iv, pl. 18, f. 22.
Robinaldina, d'Orb. (GLADIUS), P. F. 282, 206, 4, 5.
rostrata, Gabb (GLADIUS), Jour. Acad. 2d s. vol. iv, pl. 68, f. 7.
Royeriana, d'Orb. (GLADIUS), P. F. 298.
scalaris, d'Orb. (GLADIUS), P. F. 298.
Schlotheimii, Roem. (GLADIUS), Nord. Kreid. 77, 11, 6.
securifera, Forbes (GLADIUS), G. T. 2d s. vol. vii, 128, 13, 17.
semilineata, Goldf. Sp. (GLADIUS), d'Orb. Prod. 227.
simplex, d'Orb. (GLADIUS), P. F. 290, 208, 6–7.
Sowerbyi, Agas. (G. Parkinsonii), Trans. of Sow. p. 379.
stenoptera, Goldf. (APORRHAIS), Petr. vol. iii, 19, 170, 6.
striata, Goldf. (GLADIUS), ibid. 19, 170, 7.
subcomposita, d'Orb. (GLADIUS), Prod. 116.
subcostata, d'Orb. (G. costata), Prod. 227.
subelongata, d'Orb. (GLADIUS), Prod. 227.
submarginata, d'Orb. (GLADIUS), Prod. 133.
subsubulata, d'Orb. (GLADIUS), Prod. 227.
subsubulata, d'Orb. (pseudosubulata), Prod. 132.
subulata, P. & R. (pseudosubulata), Env. Genèv. 254, 25, 1.
subulata, Reuss (subsubulata), Böhm. Kreid. 46, 9, 8.
tenuistriata, Reuss (GLADIUS), ibid. 45, 9, 4.
Timotheana, P. & R. (GLADIUS), Env. Genèv. 258, 25, 6.
tricostata, d'Orb. (GLADIUS), P. F. 287, 207, 5.
turrita, Roem. Sp. (GLADIUS), d'Orb. Prod. 227.
varicosa, d'Orb. (GLADIUS), P. F. 297, 210, 5–6.

Varusensis, d'Orb. (GLADIUS), Prod. 105.
Vespertilio, Munst. (GLADIUS), in Goldf. vol. iii, 18, 170, 5.
Westphalica, d'Orb. (GLADIUS), Prod. 227.

Rostellites, Con. 1855 (VOLUTILITHES, Swains, 1831).

Texana, Con. (VOLUTILITHES), 1855, Proc. Acad. Phila. p. 268.

ROTELLA, Lam. 1822.

Archiaciana, d'Orb. (PITONELLUS), P. F. 192, 178, 4, 6.
cretacea, d'Orb. Voy. Astrol. pl. 7, f. 18–21. Chili. *C.*

Scalaria, Lam. 1801 (SCALA, Klein. 1753).

Albensis, d'Orb. (SCALA), P. F. 51, 154, 4–5.
annulata, Morton (SCALA), Synopsis, 47, 3, 10.
Auca, d'Orb. (SCALA), Voy. Astr. pl. 1, f. 16, 17.
canaliculata, d'Orb. (SCALA), P. F. 50, 154, 1–3.
Chilensis, d'Orb. *not Gabb* (SCALA), Am. Meria. 114, 14, 1–2.
Chilensis, Gabb, *not d' Orb.* (SCALA Pattonii), 1860, Proc. Acad. 197, 3, 4.
cerithiformis, M. & H. (SCALA), 1856, Proc. Acad. p. 63.
Clementina, Mich. (SCALA), Mag. Zool. 4, pl. 39 (1833).
compacta, Sow. (SCALA), Dixon's Geol. Suss. 349, 27, 32.
costato-striata, Munst. (SCALA), d'Orb. Prod. 217.
decorata, Roem. Sp. (SCALA), d'Orb. Prod. 217.
Dupiniana, d'Orb. (SCALA), P. F. 54, 154, 10–13.
elatior, d'Orb. (SCALA), Prod. 103.
Gastyna, d'Orb. (SCALA), P. F. 58, 155, 5–7.
Gaultina, d'Orb. (SCALA), P. F. 56, 154, 14–16.
Guerangeri, d'Orb. (SCALA), P. F. p. 412.
gurgitis, P. & R. (SCALA), Env. Genèv. 170, 16, 4.
ornata, Baily (SCALA), Q. J. G. S. vol. xi (1855), 459, 12, 2.
Philippi, Reuss (SCALA), Böhm. Kreid. 114, 44, 14.
pulchra, Sow. (SCALA), G. T. 2d s. vol. iv, 242, 18, 11.
Rauliniana, d'Orb. (SCALA), P. F. 57, 155, 1–4.
Rhodani, P. & R. (SCALA), Env. Genèv. 169, 16, 3.
Ricordeana, d'Orb. (SCALA), Prod. 115.
Sillimani, Morton (SCALA), Synopsis, 47, 13, 9.
subinterrupta, d'Orb. (SCALA), Prod. 103.
subturbinata, d'Orb. (SCALA), Prod. 217.

subundulata, d'Orb. (SCALA), Prod. 217.
Texana, Roem. (SCALA), Kreid. Tex. 39, 4, 11.
turbinata, Forbes, *not Con.* (SCALA subturbinata), G. T. 2d s. vol. vii, 124, 12, 18.
undata, d'Orb. (SCALA), Voy. Astrol. pl. 3, f. 31.

SCALA, Klein, 1753 (**Scalaria**, Lam. 1801).

Albensis, d'Orb. Sp.	(**Scalaria**),	Gabb,	1861.	Fr.	*N.*
annulata, Morton, Sp.	"	"	"	N. J.	*C.*
Auca, d'Orb. Sp.	"	"	"	Chili.	*C.*
canaliculata, d'Orb. Sp.	"	"	"	Fr.	*N.*
Chilensis, d'Orb. Sp.	"	"	"	Chili.	*C.*
cerithiformis, M. & H.	"	Proc. Acad.	1860, 422.	Nebraska.	*C.*
clementina, Mich. Sp.	"	Gabb,	1861.	Fr., G.	*G.*
compacta, Sow. Sp.	"	"	"	E.	*C.*
costato-striata, Munst. Sp.	"	"	"	G.	*C.*
decorata, Roen. Sp.	(**Melania**),	Gabb,	1861.	G.	*C.*
Dupiniana, d'Orb. Sp.	(**Scalaria**),	Gabb,	1861.	Fr.	*G.*
elatior, d'Orb. Sp.	"	"	"	Fr.	*N.*
Gastyna, d'Orb. Sp.	"	"	"	Fr.	*G.*
Gaultina, d'Orb. Sp.	"	"	"	Fr.	*G.*
Guerangeri, d'Orb. Sp.	"	"	"	Fr.	*U. G.*
gurgitis, P. & R. Sp.	"	"	"	Fr.	*G.*
ornata, Baily, Sp.	"	"		Port Natal, S. Af.	*U. G.?*
Pattonii, Gabb, 1861 (**Scalaria** *Chiliensis*, Gabb, *not d' Orb.*), Chili.					*C.*
Philippii, Reuss, Sp.	(**Scalaria**),	Gabb,	1861.	G.	*U. G.*
pulchra, Sow. Sp.	"	"	"	E.	*U. G.*
Rauliniana, d'Orb. Sp.	"	"	"	Fr.	*G.*
Rhodani, P. & R. Sp.	"	"	"	Fr.	*G.*
Ricordeana, d'Orb. Sp.	"	"	"	Fr.	*L. G.*
Sillimani, Mort. Sp.	"	"	"	Ala., N. J.	*C.*
subinterrupta, d'Orb. Sp.	"	"	"	Fr.	*N.*
subturbinata, d'Orb. Sp.	"	"	"	India.	*C.*
subundulata, d'Orb. Sp.	"	"	"	G.	*C.*
Texana, Roem. Sp.	"	"	"	Texas.	*C.*
undata, d'Orb. Sp.	"	"	"	India.	*C.*

SCONSIA, Gray.

Alabamensis, Gabb, 1860, Jour. Acad. 2d s. vol. iv, 301, 48, 13. Ala. *C.*

Solarium, Lam. 1799 (ARCHITECTONICA, Bolten, 1798).

abyssinis, Gabb (ARCHITECTONICA), 1860, Proc. Acad. p. 69, 4, 9.
Albense, d'Orb. (ARCHITECTONICA), P. F. 205, 183, 1, 4.
Alpinum, P. & R. Sp. (TROCHUS), Env. Genèv. 222, 21, 9.
Alpinum, d'Orb. (ARCHITECTONICA), Prod. 69.
angulatum, Reuss (A. subangulatum), Böhm. Kreid. 48, 7, 24.
Astierianum, d'Orb. (ARCHITECTONICA), P. F. 196, 179, 5, 7.
Circitanense, Math. (ARCHITECTONICA), Cat. 234, 39, 3.
catenatum, Sow. (ARCHITECTONICA), Dix. Geol. Suss. 349, 29, 5.
cirrhoide, Brong. Sp. (ARCHITECTONICA), d'Orb. P. F. 202, 180, 9.
conoideum, Sow. (TROCHUS), G. T. 2d s. vol. iv, p. 364.
dentatum, Desh. Sp. (ARCHITECTONICA), Leym. M. G. S. F. vol. v, 13, 16, 14.
deperditum, d'Orb. (ARCHITECTONICA), Voy. Ast. et Zel. pl. 4, f. 9, 11.
Deshayesii, P. & R. (ARCHITECTONICA), Env. Genèv. 214, 20, 4.
Dupinianum, d'Orb. (STRAPAROLUS), P. F. 194, 178, 10–13.
dilatatus, d'Orb. (ARCHITECTONICA), P. F. 195, 178, 7, 9.
granosum, d'Orb. (ARCHITECTONICA), P. F. 203, 181, 1–8.
granulatum, Mant. (ARCHITECTONICA), Sow. G. T. 2d s. vol. iv, p. 364.
Guerangeri, d'Orb. (STRAPAROLUS), P. F. 206, 177, bis 9–12.
Hagianum, P. & R. (TROCHUS), Env. Genèv. 221, 21, 8.
Martinianum, d'Orb. (STRAPAROLUS), P. F. 204, 181, 9–14.
minimum, Forbes (TROCHUS), Q. J. G. S. vol. i, 348, 4, 3.
Moniliferum, Mich. (ARCHITECTONICA), in d'Orb. P. F. 197, 179, 8–12.
Neocomiense, d'Orb. (ARCHITECTONICA), P. F. 195, 179, 1–4.
ornatus (um), Sow. (A. subornata), in Fitt. G. T. 2d s. vol. iv, pl. 11, f. 13.
plicatum, Sow. (ARCHITECTONICA), M. Con. 141.
pulchellum, d'Orb. (ARCHITECTONICA), Prod. 104.
pulchellum, Baily (A. Bailyi), Q. J. G. S. vol. xi, 457, 12, 3.
quadratum, Sow. (PLEUROTOMARIA), G. T. 2d s. vol. iii, pl. 38, f. 17.
Rochatianum, P. & R. (ARCHITECTONICA), Env. Genèv. 209. 20, 2.
scalare, d'Orb. (ARCHITECTONICA), P. F. 206, 177 bis, 14, 15.

subangulatum, d'Orb. (ARCHITECTONICA), Prod. 223.
subornatum, d'Orb. (ARCHITECTONICA), Prod. 130.
Thirrianum, d'Arc. (ARCHITECTONICA), M. G. S. F. 334, 22, 7. G.
Tingryanum, P. & R. (ARCHITECTONICA), Env. Genèv. 215, 21, 1.
Tollotianum, P. & R. (ARCHITECTONICA), Env. Genèv. 218, 21, 6.
triplex, P. & R. (TROCHUS), Env. Genèv. 216, 21, 3.
tabulatum, Phil. (ARCHITECTONICA), Geol. York, pl. 2, f. 36.
flexuistriatum, Evans & Shumard (MARGARITA), Proc. Acad. 1854, p. 163.

SOLIDULA, Fisch. 1807.

attenuata, M. & H. (**Actaeon**), Proc. Acad. 1860, p. 185. Neb. *C.*
Mortoni, Forbes, Sp. (**Bulla**), Gabb, 1861. N. J. *C.*
linteus (a), Con. Jour. Acad. 2d s. vol. iii, 334, 35, 11. Miss. *C.*
subelliptica, M. & H. (**Actaeon**), Proc. Acad. 1860, p. 185, 425. Neb. *C.*
bullata, Morton, Sp. (**Tornatella**), Gabb, 1861. N. J. *C.*

STOMATIA, Helbling, 1778.

aspera, d'Orb. P. F. 237, 188, 4–7. Fr. *U. G.*
Gaultina, P. & R. Env. Genèv. 245, 24, 3. Fr. *G.*

SPINIGERA, d'Orb. 1847.

ovata, Munst. Sp. (**Rostellaria**), d'Orb. Prod. 228. G. *C.*

SPIRORBIS, Swains. 1840.

rotula, Morton, Sp. (**Vermetus**), Gabb, 1861. N. J.* *C.*

STRAPAROLUS, Montf. 1810 (**Euomphalus**, Sow. 1814).

ammomtaeformis, d'Orb. Prod. 151. Fr. *U. G.*
Guerangeri, d'Orb. (**Solarium**), Prod. 151. Fr. *U. G.*
lapidosus, Gabb (not DELPHINULA lapidosa, Morton), Jour. Acad. 2d s. vol. iv, 300, 48, 5. Ala. *C.*
Martinianus, d'Orb. (**Solarium**), Prod. 131. Fr. *G.*
Moutonianus, d'Orb. Prod. 104. Fr. *N.*
subplanus, Gabb, Jour. Acad. 2d s. vol. iv, 299, 48, 4. Ala. *C.*

* Characteristic of the "yellow limestone," which appears to be the highest member of the Cretaceous in New Jersey.

STREPSIDURA, Swains. 1840.

Ripleyana, Con. Jour. Acad. 2d s. vol. iv, 286, 46, 42. Miss. *C.*

STROMBUS. Linn, 1740, Brug. 1789.

arachnoides, Müll in Geinitz, Quadersand. G.
contortus, Sow. (PUGNELLUS), Forbes, G. T. 2d s. vol. vii, 129, 15, 9.
densatus, Con. (PUGNELLUS), Jour. Acad. 2d s. vol. iii, 330, 34, 6.
Dupinianus, d'Orb. P. F. 313, 217, 3. Fr., G. *G.*
incertus, d'Orb. (**Pterocera**), Prod. 154. Fr. *U. G.*
inornatus, d'Orb. P. F. 314, 214. Fr. *U. G.*
nodulosus, Sow. Sp. (**Dolium**), d'Orb. Prod. 154. E. *U. G.*
subspeciosus, d'Orb. Prod. 70. Fr. *N.*
pelagi, Brong. (HARPAGO), Ann. des Mines, vol. vi, 570, 7, 1.
pyriformis, Kner. Gein. Quader. G.
semicostatus, d'Orb. (PUGNELLUS uncatus), Voy. Ast. pl. 5, 38–39.
uncatus, Forbes (PUGNELLUS uncatus), G. T. vol. vii, 129, 13, 16.

TECTURA, Aud. and McEdw. 1830.

occidentalis, H. & M. (**Capulus**), M. & H. Proc. Acad. 1860, p. 423. Neb. *C.*
? papillata, M. & H. 1860, Proc. Acad. 423. Neb. *C.*
? parva, M. & H. 1860, Proc. Acad. 423. Neb. *C.*

TEREBRA, Adans. 1757.

coronata, Sow. (CERITHIUM pseudocoronatum), G. T. vol. iii, pl. 39.
minuta, Galeotti (C. subminuta), Bull. Acad. Brux. vol. vii, pl. 6, f. 7.
? obconica, Sharpe, Q. J. G. S. vol. vi, 1849, 194, 20, 5. Portugal. *"Lower Cret."*

THYLACUS, Con. 1860.

cretaceus, Con. Jour. Acad. 2d s. vol. iv, 290, 46, 22. Ala. *C.*

Tornatella, Lam. 1810.

abbreviata, Philippi (VARIGERA), Palaeont. No. 1, 23, 2, 1.
affinis, Sow. (ACTAEON), G. T. 2d s. vol. iv, 242, 18, 9.
bullata, Morton (SOLIDULA), Synopsis, 48, 5, 3.
conica, Munst. (ACTAEONELLA), Goldf. Petrif. 49, 177, 11.
curculio, Forbes (ACTAEON), G. T. vol. vii, 135, 12, 25.
lapidosa, Forbes (AVELLANA), ibid. 135, 12, 24.
Lamarckii, Sow. (ACTAEONELLA), G. T. vol. iii, 39, 16.
Lamarckii, Goldf. (ACTAEONELLA Goldfussii), Petr. pl. 177, f. 10.
marginata, Forbes (ACTAEON Forbesiana), Q. J. G. S. vol. i, 347, 4, 1.
Popii, Sow. (ACTAEON), G. T. vol. iv, 178, 22, 8.
semen, Forbes (ACTAEON), G. T. vol. vii, 135, 15, 2.
subglobosa, Munst. (ACTAEONELLA), Goldf. 49, 177, 13.
voluta, Munst. (ACTAEONELLA), Goldf. 49, 177, 14.

TRICHOTROPIS, Brod. 1826.

cancellaria, Con. Jour. Acad. 2d s. vol. iii, 333, 35, 8. Miss. *C.*

TUBA, Lea, 1834.

bella, Con. Jour. Acad. 2d s. vol. iv. 289, 46, 38. Ala. *C.*

Triton, Montf. 1810 (TRITONIUM, Link. 1807).

atavus, Forbes (FUSUS), G. T. vol. vii, 126, 13, 14.
elegans, Desh. (FUSUS), M. G. S. F. vol. v, 10, 17, 13.

TROCHATELLA, Swains. 1840.

cretacea, d'Orb. (INFUNDIBULUM), P. F. pl. 234, 1–3.

TROCHUS, List., Linn. 1758.

agglutinans, Mant. (PHORUS canaliculatus), Geol. Suss. pl. 18, f. 7.

Albensis, d'Orb. P. F. 183, 177, 1–3. Fr. *N.*
Alpinus, P. & R. Sp. (**Solarium**), d'Orb. Prod. 129. Fr. *G.*
alternans, Munst. (TURBO), Goldf. 60, 182, 2.
Arcotensis, Forbes, G. T. vol. vii, 120, 13, 9. India. *C.*
Astierianus, d'Orb. P. F. 182, 176, 16–17. Fr. *N.*
Barremensis, d'Orb. Prod. 115. Fr. *L. G.*
Basteroti, Brong. Env. Paris, pl. 3, f. 3. Fr., E., G:, Sweden. *U. G.*
Basteroti, Goldf. *not Brong.* (TURBO amatus), P. G. 58, 181, 7.
Bathus, d'Orb. Prod. 151. Fr. *U. G.*
bicarinatus, Sow. M. Con. 221. E. *U. G.*
bicinctus, Roem. Kreid. vol. 81, 20, 3. G. *N.*
bisulcatus, Goldf. (TURBO), Petrif. Germ.
Bourgeoisii, d'Orb. Prod. 222. Fr. *C.*
Bronnii, Goldf. P. Germ. 59, 181, 9. G. *C.*
Buchii, Goldf. (TURBO), id. 60, 182, 1.
Buncli, d'Arc. M. G. S. F. 2d s. (1847), 335, 222, 6. Fr. *U. G.*
Buvignieri, d'Orb. Prod. 151. Fr. *U. G.*
Castor, d'Orb. (radiatulus), Voy. Astrol. pl. 4, f. 15, 17.
cirrhoides, Brong. (ARCHITECTONICA), Env. Par. pl. 7, f. 9.
concinnus, Roem. Nord. Kreid. 81, 12, 9. G. *C.*
conoideus, Sow. Sp. (**Solarium**), d'Orb. Prod. 129. E., Fr. *G.*
Cordieri, d'Arc. (Hylus), M. G. S. F. 335, 22, 8.
costellifer, Munst. Goldf. 59, 181, 8. G. *C.*
dentigerus, d'Orb. P. F. 185, 177, 9–12. Fr. *N.*
dictyotus, Reuss, Sp. (**Pleurotomaria**), d'Orb. Prod. 223. G. *C.*
difficilis, d'Orb. P. F. 191, 177, 17. Fr. *C.*
Dujardinii, d'Orb. Prod. 222. Fr. *C.*
Duperreyi, d'Arc. M. G. S. F. 2d s. vol. ii, 336, 23, 2. Fr. *C.*
Gabrielis, d'Orb. Prod. 291. Fr. *Danien.*
Geinitzii, Reuss, Böhm. Kreid. 112, 44, 23. G. *C.*
Gibbsii Sow. Sp. (PLEUROTOMARIA), M. Con. 278.
Girondinus, d'Orb. P. F. 188, 178, 1–3. Fr. *C.*
Guerangeri, d'Orb. P. F. 188, 177 bis, 4–5. Fr. *U. G.*
gurgitis, Brong. (PLEUROTOMARIA), Env. Paris, pl. 9, f. 7.
Guyotianus, P. & R. Env. Genèv. 202, 19, 8. Fr. *G.*
Haimei, Heb. M. G. S. F. 2d s. vol. iv, p. 372. Fr. *C.*
Honii, d'Orb. Prod. 151. Fr. *U. G.*
Hugianus, P. & R. Sp. (**Solarium**), d'Orb. Prod. 130. Fr. *G.*
Huoti, d'Arc. M. G. S. F. 1847, vol. ii, 335, 22, 10. Fr. *U. G.*
Hylus, d'Orb. Prod. 151. Fr. *U. G.*
Jason, d'Orb. (Arcotensis), Voy. Astrol. pl. 4, f. 12, 14.

lævis, Nilss. (TURBO sublævis), Petrif. Suec., Goldf., P. G. 60, 181, 13.
leprosus, Morton (PHORUS), Synopsis, 46, 15, 6.
Leymerei, d'Arc. M. G. S. F. 2d s. vol. ii, 337, 23, 1. Fr. *U. G.*
Ligeriensis, d'Orb. Prod. 222. Fr. *C.*
linearis, Mant. (PLEUROTOMARIA perspectiva), Geol. Suss. pl. 18, f. 17.
Marçasi, d'Orb. P. F. 190, 186 bis, 19. Fr. *U. G.*
Marollinus, d'Orb. P. F. 184, 177, 7–8. Fr. *N.*
Marrotianus, d'Orb. P. F. 187, 177, 15, 16. Fr. *C.*
minimus, Forbes Sp. (**Solarium**), d'Orb. Prod. 115. E. *L. G.*
Moutonianus, d'Orb. Prod. 69. Fr. *N.*
Nicoletinus, P. & R. Env. Genèv. 204, 19, 10. Fr. *G.*
Nilssoni, Goldf. (TURBO), P. G. 58, 181, 6.
Pintevillei, d'Arc. Sp. (**Turbo**), d'Orb. Prod. 151. Fr. *U. G.*
planatus, Roem. Nord. Kreid. 81, 12, 8. G. *C.*
plicato-carinatus, Goldf. Sp. (**Turbo**), d'Orb. Prod. 224. G. *C.*
plicato-granulosus, Munst. Goldf. P. G. 60, 182, 3. G. *C.*
pseudo-helix, Reuss, Böhm. Kreid. 112, 44, 33. G. *C.*
radiatulus, Forbes, G. T. 2d s. vol. vii, 120, 13, 11. India. *C.*
Rajah, Forbes, G. T. 2d s. vol. vii, 120, 13, 12. India. *C.*
regalis, Roem. (PLEUROTOMARIA), Nord. Kreid. 81, 12, 7.
Requienianus, d'Orb. P. F. 186, 177, 13–14. Fr. *U. G.*
reticulatus, Phil. *not Sow.* (subreticulatus), Geol. York. 94, 2, 37.
Rhodani, Brong. (PLEUROTOMARIA), Env. Par. pl. 9, f. 8.
rostelloides, Forbes (TURBO), G. T. 2d s. vol. vii, 120, 13, 10.
Sarthinus, d'Orb. P. F. 189, 177 bis, 6–8. Fr. *U. G.*
simplex, Duj., *not Defr.* (Dujardini), M. G. S. F. vol. ii, 231, 17, 8.
spiniger, Sow. G. T. 2d s. vol. iii, pl. 38, f. 15. G. *C.*
striatulus, Desh. (substriatulus), M. G. S. F. vol. v, 13, 17, 1.
subpulcherrimus, d'Orb. Prod. 115. E. *G.*
subreticulatus, d'Orb. Prod. 115. E. *G.*
substriatulus, d'Orb. Prod. 69. Fr. *N.*
Tollotianus, P. & R. Env. Genèv. 203, 19, 9. Fr. *G.*

TUDICLA, Bolt. 1798.

S. G. *Pyropsis*, Con. 1860.

elevata, Gabb (**Rapa**), 1861. N. J. *C.*
*perlata, Con. Jour. Acad. 2d s. vol. iv, 288, 46, 39. Miss. *C.*
trochiformis, Tuomey, Sp. (**Pyrula**), Gabb, 1861. Ala. *C.*

* Perhaps identical with T. (*Pyrula*) trochiformis, Tuomey, Sp.

TURBINELLA, Lam. 1801.

parva, Gabb, 1860, Proc. Acad. 94, 2, 3. N. J. *C.*
subconica, Gabb, id. 94, 2, 6. N. J. *C.*

Turbinopsis, Con. 1860.

Hilgardi (ii), Con. (CANCELLARIA), Jour. Acad. 2d s. vol. iv, 289, 46, 29.

TURBO, Linn. 1758.

acastus, d'Orb. Prod. 70. Fr. *N.*
acuminatus, Desh. Leym. M. G. S. F. 2d s. vol. v, 13, 17, 3. Fr. *N.*
Adonis, d'Orb. Prod. 69. Fr. *N.*
Alceæ, d'Orb. Prod. 104. Fr. *N.*
Alcyon, d'Orb. Prod. 152. Fr. *U. G.*
Alpinus, d'Orb. P. F. 320. Fr. *G.*
Alsus, d'Orb. Prod. 130. Fr. *G.*
alternans, Munst. Sp. (**Trochus**), d'Orb. Prod. 224. G. *C.*
amatus, d'Orb. Prod. 224. G. *C.*
Angeloti, d'Arc. M. G. S. F. 2d s. vol. ii, 337, 33, 4. Fr. *U. G.*
arenosus, Sow. G. T. 2d s. vol. iii, pl. 38, f. 14. G. *C.*
Astierianus, d'Orb. P. F. 182, 18, 20. Fr. *G.*
Astierianus, Reuss, *not d' Orb.* (Reussianus), B. Kreid. 112, 44, 22.
? Bervillei, Heb. M. G. S. F. 2d s. vol. iv, 373, 29, 7. Fr. *C.*
bicultratus, d'Orb. P. F. 226, 186 bis, 3, 4. Fr. *U. G.*
bisulcatus, Goldf. Sp. (**Trochus**), d'Orb. Prod. 223. G. *C.*
Boblayei, d'Arc. M. G. S. F. 2d s. vol. ii, 338, 23, 5. Fr. *U. G.*
Bohemensis, d'Orb. Prod. 224. G. *C.*
Boissyi, d'Arc. M. G. S. F. 2d s. vol. ii, 339, 23, 6. Fr. *U. G.*
Buchii, Goldf. Sp. (**Trochus**), d'Orb. Prod. 224. G. *C.*
carinatus, Sow. M. Con. 240. E. *G. S.*
Cassisianus, d'Orb. Prod. 152. Fr. *U. G.*
Chaussyanus, d'Orb. P. F. 220, 185, 1–3. Fr. *G.*
clathratus, Roem. Sp. (subclathratus), Nord. K. p. 80.
Cognacensis, d'Orb. P. F. 229, 186 bis, 9–10. Fr. *U. G.*
conicus, Sow. (NATICA subconica), M. Con. 433.
coronatus, Roem. Sp. (**Delphinula**), d'Orb. Prod. 223. G. *C.*

cretaceus, d'Orb. P. F. 228, 186 bis, 7, 8. Fr. *U. G.*
decussatus, Desh. Sp. (Alsus), Leym. M. G. S. F. 2d s. vol. v, pl. 17, f. 6.
Delafossei, d'Arc. M. G. S. F. 2d s. vol. ii, 338, 24, 5. Fr. *U. G.*
Desvoidyi, d'Orb. P. F. 210, 182, 5–8. Fr. *N.*
dispar, d'Orb. (subdispar), P. F. 222, 185, 4–6.
Dutemplei, d'Orb. Prod. 192. Fr. *C.*
elegans, Desh. Sp. (Adonis), Leym. M. G. S. F. vol. ii, 14, 17, 7.
Faucignyanus, P. & R. Env. Genèv. 195, 19, 3. Fr. *G.*
fenestrata (us), d'Orb. Prod. 70. Fr. *N.*
Fittoni, d'Orb. (LITTORINA), Prod. 152.
Forbesianus, d'Orb. Prod. 116. E. *L. G.*
Geslini (ii), d'Arc. pl. 23, f. 7. Fr., G. *U. G.*
Gnidus, d'Orb. Prod. 223. G. *C.*
Golezianus, P. & R. Env. Genèv. 196, 19, 4. Fr. *G.*
Goupilianus, d'Orb. P. F. 222, 185, 7–10. Fr. *U. G.*
Gravesii, d'Orb. Prod. 291. Fr. *Danien.*
gemmatus, Sow. Dixon's Geol. Suss. 349, 27, 26, 33. E. *C.*
Gresslyanus, P. & R. Env. Genèv. 194, 19, 2. Fr. *G.*
Guerangeri, d'Orb. P. F. 226, 186 bis, 1, 2. Fr. *U. G.*
Hilsensis, d'Orb. Prod. 69. G. *N.*
Honii, d'Orb. Prod. 153. Fr. *U. G.*
Icarus, d'Orb. Prod. 131. Fr. *G.*
inconstans, d'Orb. P. F. 213, 182, 14–17. Fr. *N.*
indecisus, d'Orb. P. F. 230. Fr. *G.*
Iris, d'Orb. Prod. 223. Fr. *C.*
Ixyon, d'Orb. Prod. 70. Fr. *N.*
Koninckii, d'Orb. Prod. 153. Fr. *U. G.*
lapidosus, Morton, Sp. (DELPHINULA), d'Orb. Prod. 223.
Leblancii, d'Arc. M. G. S. F. 2d s. vol. ii, 339, 23, 8. Fr. *U. G.*
Lartetianus, Leym. M. G. S. F. 2d s. vol. iv, 197, pl. B., f. 10. Fr. *C.*
Lorieri, d'Orb. Prod. 152. Fr. *U. G.*
Mailleanus, d'Orb. P. F. 224, 186, 2, 3. Fr. *U. G.*
Mantellii, M. G. S. F. 2d s. vol. v, 12, 17, 4. Fr. *N.*
Marollinus, d'Orb. P. F. 212, 182, 12, 13. Fr. *N.*
Martinianus, d'Orb. P. F. 218, 184, 4–7. Fr. *L. G.*
minutus, Forbes (Forbesianus), Q. J. G. S. vol. i, 348, 4, 2.
moniliferus, Sow. M. Con. 395. E. *U. G.*
Montmollini, P. & R. Env. Genèv. 198, 19, 6. Fr. *G.*
Mulletii, d'Arc. M. G. S. F. 2d s. vol. ii, 340, 23, 9. Fr. *U. G.*

Mundae, Sharpe, Q. J. G. S. vol. vi, 194, 20, 7. Portugal. "*Lower Cret.*"
Nilssonii, Goldf. Sp. (**Trochus**), d'Orb. Prod. 224. G. *C.*
Nebrascensis, M. & H. (MARGARITA), 1856, Proc. Acad. 64.
obtusus, d'Orb. (Geslini), P. F. 230.
obtusus, Reuss (Bohemensis), Böhm. Kreid. 48, 10, 10.
Octavius, d'Orb. Prod. 152. Fr. *U. G.*
paludinaeformis, d'Arc. M. G. S. F. 2d s. vol. ii, 340, 23, 10. Fr. *U. G.*
Pictetianus, d'Orb. P. F. 219, 184, 8–10. Fr., G. *G.*
Pintevillei, d'Arc. (TROCHUS), M. G. S. F. vol. ii, 341, 23, 11.
plicatilis, Desh. in Leym. M. G. S. F. 2d s. vol. v, 13, 17, 5. Fr. *G.*
plicato-carinatus, Goldf. Sp. (**Trochus**), d'Orb. Prod. 224. G. *C.*
problematicus, P. & R. Env. Genèv. 199, 19, 7. Fr. *G.*
pulcherrimus, Bean, *not Wood* (subpulcherrimus), Phil. G. York, pl. 2.
pulcherrimus, Roem, *not W.*, *not B.* (Hilsensis), Nord. K. p. 80.
Raulini, d'Arc. M. G. S. F. 2d s. vol. ii, 341, 23, 12. G. *U. G.*
Renauxianus, d'Orb. P. F. 225, 186, 4–8. Fr. *C.*
Reussianus, d'Orb. Prod. 192. G. *C.*
Rhotomagensis, d'Orb. P. F. 223, 185, 11–14. Fr. *U. G.*
Roissyi, d'Arc. Sp. (**Littorina**), d'Orb. Prod. 153. Fr., G. *U. G.*
rotundatus, Sow. (NATICA), M. Con. 433.
Royanus, d'Orb. P. F. 223, 186, 1. Fr. *C.*
Saxoneti, P. & R. Env. Genèv. 197, 19, 5. Fr. *G.*
scrobiculatus, Reuss, Böhm. Kreid. 48, 11, 14. G. *C.*
subclathratus, d'Orb. Prod. 69. G. *N.*
subdispar, d'Orb. Prod. 130. Fr. *G.*
subinflatus, Reuss, Böhm. Kreid. 49, 11, 12. G. *C.*
sublaevis, d'Orb. Prod. 224. G. *C.*
subsculptus, d'Orb. Prod. 224. G. *C.*
subsulcifer, d'Orb. Prod. 223. G. *C.*
subvaricosus, d'Orb. Prod. 70. Fr. *N.*
sulcifer, Roem. (subsulcifer), Nord. Kreid. 81, 12, 1.
tenuilineatus, M. & H. 1856, Proc. Acad. p. 64. Nebraska. *C.*
tricostatus, d'Orb. *not Desh.* (Octavius), P. F. 227, 186 bis, 5, 6.
trochleatus, Duj. Sp. (**Monodonta**), d'Orb. Prod. 223. Fr. *C.*
tuberculato-cinctus, Goldf. Sp. (**Trochus**), d'Orb. Prod. 224. G. *C.*
turritellatus, d'Arc. (FUSUS), M. G. S. F. 2d s. vol. ii, 190, 12, 11.
umbilicatus, d'Orb. Prod. 152. Fr. *U. G.*
Voltzii, d'Arc. (TROCHUS), M. G. S. F. 2d s. vol. ii, 341, 25, 6.

Walferdini, d'Arc. id. 341, 24, 6. G., Fr. *U. G.*
Yonnius, d'Orb. P. F. 214, 183, 8, 10. Fr. *N.*

Turbonilla, Con. *not Riss.* (CHEMNITZIA, d'Orb.)

cerithiformis, M. & H. (SCALA), 1856, Proc. Acad. p. 63.
corona, Con. (CHEMNITZIA), Jour. Acad. 2d s. vol. iv, 287, 46, 50.
laqueata, Con. (CHEMNITZIA), id. 288, 46, 36.
melanopsis, Con. (CHEMNITZIA), id. 287, 46, 35.
Spillmani, Con. (CHEMNITZIA), id. 287, 46, 48.
trigemmata, Con. (CHEMNITZIA), id. 288, 47, 36.

TURRIS, Bolt. 1798. (**Pleurotoma**, Lam. 1799.)

aratus, Gabb (**Pleurotoma**), 1861. Chili. *C.*
Araucanus, d'Orb. Sp. (**Pleurotoma**), Gabb, 1861. Chili. *C.*
contortus, M. & H. (**Fusus**), Proc. Acad. 1860, p. 422. Neb. *C.*
indutus, Goldf. Sp. (**Pleurotoma**), Gabb, 1861. G. *C.*
Orbignyanus, Gabb, " " Chili. *C.*
minor, E. & S. Sp. " M. & H. Proc. Acad. 1860, p. 422. Neb. *C.*
subfusiformis, d'Orb. Sp. " Gabb, 1861. G. *C.*
subspinosus, d'Orb. Sp. " " G. *C.*

TURRITELLA, Lam. 1799.

acicularis, Reuss, Böhm. Kreid. 51, 11, 17. G. *C.*
Alpina, d'Orb. Prod. 148. Fr. *U. G.*
altilis, Con. Jour. Acad. 2d s. vol. iii, 333. Miss. *C.*
alternans, Roem. Nord. Kreid. 80, 11, 23. G. *C.*
angulata, d'Orb. *not Sow.* (angustata), P. F. 35, 151, 4–6.
angustata, d'Orb. Prod. 67. Fr. *N.*
Archiaci, d'Orb. Prod. 148. Fr. *U. G.*
Andii, d'Orb. (Humboldtii), Am. Mer. 104, 6, 11.
angulata, d'Orb. (Pondicheriensis), Voy. Ast. pl. 6, f. 27.
Astieriana, d'Orb. Prod. 103. Fr. *N.*
Bagua, d'Orb. P. F. 45, 153, 3–4. Fr. *C.*
biformis, Sow. G. T. 2d s. vol. iii, pl. 38, f. 18. G. *C.*
Bonei, Baily, Q. J. G. S. vol. xi, 458, 12, 7. South Africa. *U. G.?*
Breantiana, d'Orb. Voy. Ast. pl. 2, f. 36, 37. India. *C.*
Buchiana, Goldf. P. G. 108, 197, 7. G. *C.*
Calypso, d'Orb. Voy. Astrol. pl. 3, f. 28, 30. India. *C.*

Caroli, Hebert, M. G. S. F. 2d s. vol. iv, p. 373. Fr. *C.*
Cenomanensis, d'Orb. Prod. 148. Fr. *U. G.*
cesticulosa, Math. (NERINEA), Cat. 246, 39, 17.
cintrana, Sharpe, Q. J. G. S. vol. vi, 194, 20, 6. Portugal. "*Lower Cret.*"
Coquandiana, d'Orb. P. F. 45, 153, 1–2. Fr. *C.*
costata, Sow. M. Con. 565. E. *U. G.*
convexa, M. & H. 1856, Proc. Acad. p. 70. Neb. *C.*
Decheniana, Goldf. Petr. vol. iii, 107, 197, 3. G. *C.*
Dietrichi, Leym. M. G. S. F. 2d s. vol. iv, 197, pl. B., 11–13. *C.*
difficilis, d'Orb. P. F. 39, 151, 19–20. Fr. *C.*
Dupiniana, d'Orb. P. F. 34, 151, 1–3. Fr. *N.*
Eichwaldiana, Goldf. P. Germ. vol. iii, 107, 97, 4. G. *C.*
encrinoides, Morton, Synopsis, 47, 3, 7. N. J., Ala., Miss. *C.*
excavata, d'Orb. Prod. 217. Fr. *C.*
Fancignyana, P. & R. Env. Genèv. 166, 16, 1. Fr. *G.*
Fittoniana, Goldf. P. Germ. 109, 197, 10. G. *C.*
funiculosa, Math. (nodosa), Cat. 239, 39, 15.
Geinitzii, d'Orb. Prod. 148. G. *U. G.*
Goupiliana, d'Orb. P. F. 412. Fr. *U. G.*
granulata, Sow. M. Con. 565. E., G. *U. G., L. G.*
granulata, d'Orb. *not Sow.* (granulatoides), P. F. 46, 153, 5–7.
granulatoides, d'Orb. Prod. 190. Fr. *C.*
fastigiata, Tuomey, 1855, Proc. Acad. 169. Ala. *C.*
gigas, Leym. M. G. S. F. 2d s. vol. iv, 198, pl. C., f. 1. Fr. *C.*
Guerangeri, d'Orb. P. F. 412. Fr. *U. G.*
Hagenoviana, Munst. in Goldf. vol. iii, 108, 197, 5. G. *C.*
Hardemanensis, Gabb, Jour. Acad. 2d s. vol. iv, 392, 68, 15. Tenn., N. J. *C.*
Hugardiana, d'Orb. P. F. 38, 151, 13–16. Fr., G. *G.*
Humboldtii, Von Buch, Sp. (**Pleurotomaria**), Bayle & Coquand, M. G. S. F. 2d s. vol. iv, p. 12. Chili.* (?)
irrorata, Con. 1855, Proc. Acad. p. 268. Texas, Indian Terr. *C.*
laevigata, Leym. M. G. S. F. 2d s. vol. iv, p. 342. Fr. *N.*
Leonensis, Con. Emory's Rep. 164, 21, 7. Texas. *C.*

* "Neocomien," d'Orbigny, "Jurassic," B. & C. Mr. Conrad proposed a new genus to receive this curious and beautiful species, which he called *Lithotrochus*. It was accidentally omitted at the proper place in this enumeration. After carefully studying a very fine specimen in my own collection from near Copiapo, Chili, I am unable to detect any valid characters by means of which it can be separated from *Turritella*, although its wide whorls and low spire induced Von Buch to consider it a *Pleurotomaria*.

laeviuscula, Sow. G. T. 2d s. vol. iii, pl. 38, f. 20. G. *C.*
lineolata, Roem. Nord. Kreid. 80, 11, 24. G. *C.*
Marticensis, Math. Cat. 240, 39, 16. Fr. *C.*
Meadii, Baily, Q. J. G. S. vol. xi, 458, 12, 6. S. Africa. *U. G.?*
Meudonensis, Heb. M. G. S. F. vol. iv, 373. Fr. *C.*
monilifera, Forbes, G. T. 2d s. vol. vii, 123, 13, 2. India. *C.*
Moreauensis, M. & H. (CERITHIOPSIS), Proc. Acad. 1856, p. 70.
Moutoniana, d'Orb. Prod. 103. Fr. *N.*
multiliniata, E. & S. 1857, Trans. Acad. St. Louis, p. 41. Neb. *C.*
multistriata, Reuss, Böhm. Kreid. 51, 10, 17, & pl. 11, 16. G. *C.*
Noeggerathiana, Goldf. Petrif. vol. iii, 107, 197, 1. G. *C.*
Neptuni, Munst. in Goldf. 106, 196, 15. G. *U. G.*
nerinaea, Roem. Nord. K. 80, 11, 21. G. *C.*
nodosa, Roem. Nord. Kreid. 80, 11, 20. Fr., G. *C.*
ornata, d'Orb. P. F. 412. Fr. *U. G.*
paupercula, Dujard. M. G. S. F. 1837, vol. ii, 230, 17, 9. Fr. *C.*
Pondicheriensis, Forbes, G. T. 2d s. vol. vii, 123, 13, 4. India. *C.*
planilateralis, Con. (irrorata), Emory's Rep. 158, 14, 1.
provincialis, d'Orb. Prod. 217. Fr. *C.*
pumila, Gabb, Jour. Acad. 2d s. vol. iv, 392, 68, 14. Tenn. *C.*
quadricincta, Goldf. P. G. vol. iii, 106, 196, 16. G. *C.*
quinquecincta, Goldf. P. G. 106, 196, 17. G. *C.*
Rauliniana, d'Orb. P. F. 39, 151, 17, 18. Fr. *G.*
Renauxiana, d'Orb. P. F. 41, 152, 1–4. Fr., Portl., S. Af. *C., U. G.*
Requieniana, d'Orb. P. F. 43, 152, 5–6. Fr. *C.*
rigida, Sow. G. T. 2d s. vol. iii, pl. 38, f. 19. G. *C.*
rigida, Mich. *not Sow.* (Vibrayeana), M. G. S. F. vol. iii, p. 99.
Robineausa, d'Orb. Prod. 67. Fr. *N.*
Saffordii, Gabb, Jour. Acad. 2d s. vol. iv, 392, 68, 11. Tenn. *C.*
seriatim-granulata, Roem. Kreid. Tex. 39, 4, 12. Texas. *C.*
sexcincta, Goldf. P. Germ. 107, 197, 2. G., Fr. *C.*
sexlineata, Roem. Nord. Kreid. 80, 11, 22. G. *C.*
simplex, d'Orb. *not Gratel.* (subsimplex), Voy. Ast. pl. 3, f. 26.
Sowerbyi, Forbes, G. T. 2d s. vol. vii, 124, 15, 4. India. *C.*
subsimplex, d'Orb. Prod. 218. India. *C.*
Tennesseensis, Gabb, Jour. Acad. 2d s. vol. iv, 392, 68, 13. Tenn. *C.*
Tippana, Con. Jour. Acad. Phil. 2d s. vol. iii, 333, 35, 19. Miss. *C.*
trilira, Con. id. vol. iv, p. 285. Miss., Ala. *C.*
turbinata, Sow. Dixon's Geol. Suss. 349, 29, 2. E. *C.*
Uchauxiana, d'Orb. P. F. 40, 151, 21–24. Fr. *C.*

velata, Munst. in Goldf. P. G. 108, 197, 6. G. *C.*
ventricosa, Forbes, G. T. 2d s. vol. vii, 123, 13, 3. India. *C.*
Verneuiliana, d'Orb. P. F. 47, 153, 8–9. Fr. *C.*
vertebroides, Morton, Synopsis, 47, 3, 13. N. J., Ala., Miss. *C.*
Vibrayeana, d'Orb. P. F. 37, 151, 10–12. Fr., Portugal. *G.*

TYLOSTOMA, Sharpe, 1849.

globosum, S., Q. J. G. S. vol. vi, 379, 9, 5–6. Port. *L. Cret.*
ovatum, S. id. 379, 9, 7–9. Port. "
punctatum, S. id. 378, 9, 3–4. Port. "
Torrubiae, S. id. 378, 9, 1–2. Port. "

VARIGERA, d'Orb. 1847.

abbreviata, Philippi, Sp. (**Tornatella**), d'Orb. Prod. 221. G. *C.*
Carantonensis, d'Orb. Prod. 149. Fr. *U. G.*
Escragnollensis, d'Orb. Prod. 128. Fr. *G.*
Fittoni, d'Orb. Prod. 115. E. *L. G.*
Guerangeri, d'Orb. (**Pterodonta**), Prod. 149. Fr. *U. G.*
Ricordeana, d'Orb. Prod. 68. Fr. *N.*
Rochatiana, d'Orb. Prod. 103. Fr. *N.*
Toucasiana, d'Orb. Prod. 221. Fr. *C.*

VERMETUS, Adans. 1757.

Albensis, d'Orb. P. F. 386, 233, 8–9. Fr. *L. G.*
? anguis, Forbes, G. T. 2d s. vol. vii, 124, 13, 1. India. *C.*
rotula, Morton (SPIRORBIS), Syn. 81, 1, 14.
Rouyanus, d'Orb. P. F. 386, 233, 5–7. Fr. *L. G.*

VOLUTA, Linn. 1758.

acuta, Sow. *not Riss.* (subacuta), G. T. vol. iii, pl. 39, f. 31.
ambigua, Mant. *not Brand.* (pseudoambigua), G. Suss. 108, 18, 8.
breviplicata, Forbes (FUSUS), G. T. vol. vii, 132, 12, 7.
Camdeo, Forbes, G. T. vol. vii, 131, 12, 5. India. *C.*
cancellata, Tuomey, 1855, Proc. Acad. 169. Ala. *C.*
cincta, Forbes, G. T. vol. vii, 132, 12, 6. India. *C.*
citharina, Forbes, id. 132, 12, 8. India. *C.*
? conoidea, Math. Catal. 253, 40, 19. Fr. *C.*
deperdita, Goldf. Petr. G. 14, 169, 1. G. *C.*

elongata, Sow. Sp. (**Fasciolaria**), d'Orb. P. F. 232, 220, 2, Fr. G. *C.*
fusiformis, Tuomey, *not Desh. not Sism.* (Tuomeana), Proc. Acad. vol. vii, 169.
Gasparini, d'Orb. P. F. 325, 220, 5. Fr. *C.*
Guerangeri, d'Orb. P. F. 326, 221, 1. Fr. *U. G.*
jugosa, Tuomey, *not Sow.* (subjugosa), 1855, Proc. Acad. 169.
Lahayesi, d'Orb. P. F. 327, 221, 4. Fr. *C.*
muricata, Forbes, *not Born.* (submuricata), G. T. vol. vii, 131, 12, 4.
pseudo-ambigua, d'Orb. Prod. 154. E. *U. G.*
purpuriformis, Forbes (Fusus), G. T. vol. vii, 130, 12, 2.
pyriformis, Forbes, G. T. vol. 7, 130, 12, 1. India. *C.*
pyruloides, Math. Cat. 254, 40, 19–20. Fr. *C.*
radula, Sow. in Forbes, G. T. vol. vii, 133, 12, 9. India. *C.*
Renauxiana, d'Orb. P. F. 326, 221, 3. Fr. *C.*
Requieniana, d'Orb. P. F. 324, 220, 4. Fr. *C.*
rigida, Bailey, Q. J. G. S. vol. xi (1855), 459, 12, 4. S. Af. *U. G.?*
septemcostata, Forbes, G. T. vol. vii, 131, 12, 3. India. *C.*
Spillmani (ii), Tuomey, 1855, Proc. Acad. vol. vii, p. 169. Ala. *C.*
subacuta, d'Orb. Prod. 226. G. *C.*
subfusiformis, d'Orb. Prod. 291. Fr. *Danien.*
subjugosa, Gabb, 1861 (*jugosa*, Tuomey, *not Sow.*). Ala. *C.*
submuricata, d'Orb. Prod. 226. India. *C.*
Trinchinopolitensis, Forbes, G. T. 2, S. vol. vii, 133, 15, 5. India. *C.*
Tuomeyana, Gabb, 1861 (*fusiformis*, Tuomey). Ala. *C.*

Volvaria, Lam. 1801.

lævis, Sow. (Actaeonella), G. T. 1835, pl. 39, f. 33.
crassa, Dujard. (Actaeonella), M. G. S. F. vol. ii, pl. 17, f. 10.
tenuis, Reuss (Bulla), Böhm. Kreid, 50, 10, 20.

VOLUTILITHES, Swains, 1831.

Abbottii, Gabb, 1860, Proc. Acad. 94, 2, 7. N. J. *C.*
bella, Gabb, 1860, Jour. Acad. 2, S. vol. iv, 300, 48, 7. N. J. *C.*
biplicata, Gabb, id. 300, 48, 6. N. J. *C.*
Conradii, Gabb, id. 300, 48, 10. N. J. *C.*
cretacea, Con. id. vol. iii, 333, 35, 16. Ala., Miss. *C.*

Eufalensis, Con. id. vol. iv, 286, 47, 18. Ala. *C.*
leioderma, Con. id. 292, 46, 32. Ala. *C.*
nasuta, Gabb, id. 300, 48, 9. N. J. *C.*
Saffordii, Gabb, id. 300, 48, 8. Tenn. *C.*
Texana, Con. Sp. (**Rostellites**), Gabb, 1861. Texas, N. J. *C.*

CONCHIFERA.

ANATINA, Lam. 1809.

Agassizii, d'Orb. P. F. 371, 369, 1. Fr., G. *N.*
arcuata, Forbes, G. T. vol. vii, 143, 16, 5. India. *C.*
Astieriana, d'Orb. P. F. 374, 370, 4, 5. Fr. *N.*
carinata, Math. Sp. (**Solen**), d'Orb. Prod. 75. Fr. *N.*
Carteroni, d'Orb. P. F. 375, 371, 1, 2. Fr. *N.*
Columbiana, d'Orb. (PERIPLOMA), Foss. Columb. 49, 3, 16–17.
Cornueliana, d'Orb. P. F. 372, 369, 3, 4. Fr. *N.*
dilatata, Agas, Sp. (**Platymya**), d'Orb. Prod. 74. Fr., G. *N.*
elongata, Reuss, Sp. (**Lyonsia**), d'Orb. Prod. 194. G. *C.*
inflata, Agas. Sp. (**Cercomya**), d'Orb. Prod. 74. G. *N.*
lanceolata, Gein. Sp. (**Corbula**), d'Orb. Prod. 235. G. *C.*
Marullensis, d'Orb. P. F. 376, 371, 3–4. Fr. *N.*
Robinaldina, d'Orb. P. F. 374, 370, 6, 8. Fr. *N.*
Royana, d'Orb. P. F. 377, 371, 5–6. Fr. *C.*
subsinuosa, d'Orb. P. F. 373, 370, 1–3. Fr. *N.*
subtenuis, d'Orb. Prod. 74. G. *N.*
Rhodani, P. & R. Env. Genèv. 440, 29, 4. Fr. *G.*

ANOMIA, O. F. Müll, 1766.

argentaria, Morton, Syn. 61, 5, 10. N. J., Ala., Miss., Tenn. *C.*
costulata, Roem. Ool. 18, 5. G. *N.*
Flemingii, Meek. Assin. & Saskat. Exped. 183, 1–2–3. British America. *C.*
convexa, Sow. G. T. vol. iv, pl. 14, f. 7. E. Portugal. *L. G.*
laevigata, Sow. id. pl. 14, f. 6. E., Fr., Portugal. *N., L. G.*
Neocomensis, d'Orb. P. F. 754, 489, 1–3. Fr. *N.*
obliqua, M. & H. Proc. Acad. 1860, p. 181. Neb. *C.*
papyracea, d'Orb. P. F. 755, 489, 7–10. Fr. *U. G.*
pseudo-radiata, d'Orb. Prod. 84. E. *L. G.*
radiata, Sow. *not Riss.* (pseudo-radiata), G. T. vol. iv, pl. 14, f. 5.

parva, Gabb, Proc. Acad. 1860, 198, 3, 5. Chili. *C.*
sellaeformis, Con. Jour. Acad. 2d s. vol. iii, 330, 4, 6. Miss. *C.*
subtrigonalis, M. & H. Proc. Acad. 1860, p. 181. Neb. *C.*
semiglobosa, Gein. Quadersand. G.
subtruncata, d'Orb. Prod. 171. G. *U. G.*
tellinoides, Morton, Syn. 61, 5, 11. N. J., Ala., Miss. *C.*
truncata, Gein. *not Linn.* (subtruncata), Carak. Kreid. 87, 19, 4–5.

ARCA, Lam. 1799.

abrupta, Forbes, G. T. vol. vii, 149, 14, 2. India. *C.*
affinis, Dujard. M. G. S. F. vol. ii, 224, 15, 10. Fr. *C.*
Alabamensis, d'Orb. Prod. 245. Ala. *C.*
alata, Math. *not Dub.* (subalata), Cat. 164, 21, 10.
Albertina, d'Orb. Prod. 164. Fr. *U G.*
angulata, Reuss, *not Reeve* (subangulata), B. K. 10, 34, 30.
antrosa, Morton, Sp. (CUCULLAEA), d'Orb. Prod. 245.
arcacea, Reuss Sp. (**Pectunculus**), d'Orb. Prod. 244. G. *C.*
Archiaciana, d'Orb. (CUCULLAEA), P. F. 235, 322.
Astieriana, Math. Cat. 162, 21, 1, 2. Fr. *N.*
Austeni, Forbes, Sp. (**Cardium**), d'Orb. Prod. 118. E., Fr. *L.G.*
Beaumontii, d'Arc. in d'Orb. (CUCULLAEA), P. F. 237, 324.
bicarinata, Reuss, Böhm. Kreid. 10, 34, 43. G. *C.*
bifida, Reuss, id. 10, 34, 40. G. *C.*
bipartita, P. & R. Env. Genèv. 460, 36, 5. Fr. *G.*
Brahminia, Forbes, G. T. vol. vii, 146, 16, 1. India. *C.*
brevis, d'Orb. Foss de Col. 55, 5, 2–4. N. Gren. *N.*
cardioides, d'Orb. Voy. Astrol. pl. 7, f. 35, 36. India. *C.*
carinata, Sow. (CUCULLAEA), M. Con. 44.
Carteroni, d'Orb. P. F. 202, 309, 4–8. Fr. *N.*
Campicheana, P. & R. Env. Genèv. 459, 36, 3. Fr. *G.*
Cenomanensis, d'Orb. P. F. 223, 316, 1–4. Fr. *U. G.*
Clellandi, Forbes, G. T. vol. vii, 149, 16, 4. India. *C.*
consobrina, d'Orb. P. F. 209, 311, 4, 7. Fr. *N.*
cor, Math. Sp. (CUCULLAEA), d'Orb. Prod. 80.
cordata, M. & H. (CUCULLAEA), 1856, Proc. Acad. 56.
Corbarica, d'Orb. Prod. 244. Fr. *C.*
Corneuiliana, d'Orb. (CUCULLAEA), P. F. 208, 311, 1–3.
Cottaldina, d'Orb. P. F. 217, 313, 7–9. Fr., G. *G.*
cretacea, d'Orb. (CUCULLAEA tumida), Prod. 244.
dictyophora, Reuss, Böhm. Kreid. 10, 34, 29. G. *C.*

disparilis, d'Orb. (Japetica), Astrolabe, pl. 5, 37–38.
Dupiniana, d'Orb. P. F. 207, 310, 9–10. Fr. *N.*
echinata, d'Orb. P. F. 222, 315, 11–13. Fr. *U. G.*
elegans, d'Orb. *not Roem.* (Sarthacensis), P. F. 221, 315, 10.
exaltata, Nils. P. Suec. pl. 6, f. 1. G., Sw. *C.*
Eufalensis, Gabb, J. Acad. 2d s. vol. iv, 398, 68, 38. Ala. *C.*
elongata, Brown, Foss. Conch. G. Brit. 191, 77, 3. E. *U. G.*
favrina, P. & R. Env. Genèv. 458, 36, 1. Fr. *G.*
fibrosa, Sow. Sp. (CUCULLAEA), d'Orb. P. F. 212, 312.
Fontanieri, d'Orb. (Brahminia), Voy. Astr. pl. 5, 34–35.
fabiformis, Con. Lynch Exped. 223, 17, 97. Syria. *C.*
fucifera, Munst. in Goldf. P. G. pl. 121, 14. G. *C.*
Gabreilis, d'Orb. (CUCULLAEA), P. F. 198, pl. 308.
Galdrina, d'Orb. Astrol. pl. 5, f. 32, 33. India. *C.*
Galliennei, d'Orb. P. F. 218, pl. 314. Fr. *U. G.*
Galloprovincialis, Math. Cat. 163, 21, 3–4. Fr. *C.*
Gamana, Forbes, G. T. vol. vii, 148, 16, 3. India. *C.*
Geinitzii, Reuss, B. Kreid. 11, 34, 21. G. *C.*
gibbosa, d'Orb. *not Reeve* (Albertina), P. F. 224, 316, 5–8.
glabra, Goldf. (C. fibrosa), P. G. 149, 124, 3.
glabra, Gein. (Matheroniana), Carakt. Kreid.
Gravesii, d'Orb. Prod. 294. Fr. *Danien.*
Guerangeri, d'Orb. P. F. 228, 318, 1–2. Fr. *U. G.*
Hugardiana, d'Orb. P. F. 216, 313, 4–6. Fr., G. *G.*
inclinata, Reuss, Böhm. Kreid. 12, 35, 3. G. *C.*
irregularis, Math. Sp. (C. Requieniana), d'Orb. P. F. 230, 326, 4, 5.
Japetica, Forbes, G. T. 2d s. vol. vii, 148, 16, 2. India. *C.*
laevis, Math. Cat. 164, 21, 11, 12. Fr. *C.*
Ligeriensis, d'Orb. (CUCULLAEA), P. F. 227, 317.
Mailleana, d'Orb. (CUCULLAEA), P. F. 229, 318, 3–7.
Marceana, d'Orb. (CUCULLAEA) P. F. 232, 319, 3–5.
Marticensis, Math. Cat. 165, 21, 13. Fr. *C.*
Marullensis, d'Orb. (CIBOTA), P. F. 205, 310, 3–5.
Matheroniana, d'Orb. (CUCULLAEA), P. F. 238, 325.
Moreana, d'Orb. P. F. 200, 309, 1–3. Fr. *N.*
Moutoniana, d'Orb. P. F. 234–321. Fr., Port. *U. G.*
nana, Leym. Sp. d'Orb. (CUCULLAEA), P. F. 209, 311, 4–7.
Neocomensis, d'Orb. P. F. 206, 310, 3–8. Fr. *N.*
Natalensis, Baily, Q. J. G. S. vol. xi, 461, 13, 2. Port Natal, S. Af. *U. G.*

Nereis, d'Orb. Prod. 244. Fr. *C.*
Noueliana, d'Orb. Prod. 196. Fr. *C.*
octavia, d'Orb. Prod. 244. G. *C.*
orbicularis, Gein. Carak. Kreid. 20, 17, 74. G. *C.*
Orbignyana, Math. Sp. (CUCULLAEA), d'Orb. P. F. 242, 327, 5–6.
obesa, P. & R. (CUCULLAEA), Env. Genèv. 464, 381, 1.
Olisiponensis, Sharpe, Q. J. G. S. vol. vi, 176, 14, 1. Port. *C.*
Passyana, d'Orb. (CUCULLAEA), P. F. 241, 327, 1–2.
perobliqua, Von Buch. Pet. Rec. en Am. par Humb. 16, 1, 13–14. N. Gren. *N.*
pholadiformis, d'Orb. P. F. 219, 315, 1–3. Fr. *U. G.*
Ponticeriana, d'Orb. Voy. Ast. pl. 8, 29–31. India. *C.*
propinqua, Reuss, Böhm. Kreid. 12, 34, 34. G. *C.*
Proutiana, Shumard, Trans. Acad. St. Louis, 1860, p. 601. Texas. *C.*
pygmaea, Reuss, Böhm. K. 11, 34, 33. G. *C.*
quindecemradiata, Gabb, Proc. Acad. 1860, 94, 2, 2. N. J., Del. *C.*
radiata, Munst. in Goldf. *not M.* 1838 (subradiata), P. Germ. pl. 138, 2.
Raspailii, d'Orb. (CUC. irregularis), Prod. 196.
Raulini, d'Orb. (CUCULLAEA), P. F. 204, 310, 1–2.
Renauxiana, Math. Cat. 164, 21, 7–9. Fr. *C.*
Requieniana, Math. Sp. (CUCULLAEA), d'Orb. Prod. 196.
Requieniana, d'Orb. (CUC. irregularis), P. F. 239, 326, 1–3.
Robinaldini, d'Orb. P. F. 208, 310, 11–12. Fr. *N.*
Roemeri, Gein. Charak. Kreid. 50, 20, 15. G. *C.*
rostellata, Morton (CIBOTA), 64, 3, 11.
rostellata, Von Buch. (subrostellata), P. Rec. en Amer. 14, 1, 16.
rotundata, Sow. G. T. vol. iv, 239, 17, 8. E. *U. G.*
rotundata, Roem. *not Sow.* (octavia), Nord. Kreid. 79, 9, 2.
Royana, d'Orb. P. F. 243, 327, 3–4. Fr. *C.*
Saffordii, Gabb, Jour. Acad. 2d s. vol. iv, 397, 68, 37. N. J., Tenn. *C.*
sagittata, d'Arc. Sp. (CUCULLAEA), d'Orb. P. F. 231, 319, 1–2.
Santonensis, d'Orb. (CUCULLAEA), P. F. 236, 323.
Sarthacensis, d'Orb. Prod. 164. Fr. *U. G.*
Schusteri, Roem. Sp. (CUCULLAEA), d'Orb. Prod. 80.
securis, Leym. Sp. (CUCULLAEA), in d'Orb. P. F. 203, 309, 9–10.
semisulcata, Math. Cat. 163, 21, 5–6. Fr. *C.*
serrata, d'Orb. P. F. 226, 416, 13, 16. Fr. *N.*

similis, d'Orb. (Gamana), Voy. Astr. pl. 4, 33, 34.
striatula, Reuss, Böhm. Kreid. 12, 34, 28. G. *C.*
subalata, d'Orb. Prod. 244. Fr. *C.*
subangulata, d'Orb. Prod. 244. G. *C.*
subconcentrica, d'Orb. (CUCULLAEA concentrica), Prod. 164.
subdinnensis, d'Orb. P. F. 225, 316, 9–12. Fr. *U. G.*
subelongata, Con. Emory's Rep. 148, 6, 3. Texas. *C.*
subformosa, d'Orb. (CUCULLAEA formosa), Prod. 164.
subglabra, d'Orb. Prod. 244. G. *C.*
subnana, P. & R. Env. Genèv. 461, 36, 6. Fr. *G.*
subradiata, d'Orb. Prod. 245. G. *C.*
subrostellata, d'Orb. Prod. 106. N. Grenada. *N.*
subtruncata, Reuss, *not Reeve* (Reussii), B. Kreid. 10, 34, 35.
sulcatina, Evans & Shum. Trans. Acad. St. Louis, 1857, p. 39. Neb. *C.*
supracretacea, d'Orb. Prod. 294. Fr. *Danien.*
Tailburgensis, d'Arc. Sp. (CUCULLAEA), in d'Orb. P. F. 233, 320.
tenuistriata, Munst. in Goldf. 142, 138, 1. G. *C.*
Tocaymensis, d'Orb. Foss. de Col. 55, 6, 1–3. N. Grenada. *N.*
trapezoidea, Gein. Sp. (CUCULLAEA), d'Orb. Prod. 165.
Trinchinopolitensis, Forbes, G. T. vol. vii, 150, 15, 16. India. *C.*
tumida, d'Arc. Sp. (CUCULLAEA), d'Orb. P. F. 244, 328.
undulata, Reuss, Böhm. Kreid. 12, 34, 33, 39. G. *C.*
uniopsis, Con. Jour. Acad. vol. ii, 275, 24, 7. N. J. *C.*
urtellata, d'Orb. (*per err.* rostellata, *Morton*), Prod. 245.
Umzambaniensis, Baily, Q. J. G. S. vol. xi (1855), 460, 13, 1. S. Africa. *U. G.?*
Vancouverensis, Meek, Trans. Alb. Inst. vol. iv, p. 40. Vancouver Id. *C.*
Varusensis, d'Orb. Prod. 106. Fr. *N.*
Vindinnensis, d'Orb. P. F. 220, 315, 4–7. Fr. *U. G.*
vulgaris, Morton, Sp. (CUCULLAEA), d'Orb. Prod. 245.

ARCOPAGIA, Leach, 1827.

Cenomanensis, d'Orb. Prod. 158. Fr. *U. G.*
circinalis, Duj. Sp. (**Psammobia**), d'Orb. P. F. 414, 378, 16–18. *C.*
concentrica, d'Orb. (subconcentrica), P. F. 410, 378, 1–6.
concentrica, Reuss, Sp. (**Tellina**), d'Orb. Prod. 235. G. *C.*
costulata, Goldf. Sp. (**Tellina**), d'Orb. Prod. 235. G. *C.*
gibbosa, d'Orb. P. F. 413, 378, 14–15. Fr. *C.*

numismalis, Math. Sp. (**Lucina**), d'Orb. P. F. 415, 379, 1–5. Fr. *C.*
radiata, d'Orb. (semiradiata), P. F. 412, 378, 11–13.
Rauliniana, d'Orb. P. F. 411–378, 7–10. Fr. *G.*
rotundata, d'Orb. P. F. 416, 379, 6–7. Fr. *C.*
semiradiata, Math. Sp. (**Venus**), d'Orb. Prod. 194. Fr. *C.*
strigata, Goldf. Sp. (**Tellina**), d'Orb. Prod. 235. G., Fr. *C.*
subconcentrica, d'Orb. Prod. 75. Fr. *N.*
subdecussata, Reuss, Sp. (**Tellina**), d'Orb. Prod. 235. G. *C.*
Valdiviana, d'Orb. Voy. Astrol. pl. 2, f. 7, 8. Chili. *C.*
Texana, Roem. Kreid. Tex. 46, 6, 8. Tex. *C.*

Artemis, Poli, 1791 (DOSINIA, Scopoli, 1777).

cordata, Sharpe (DOSINIA), Q. J. G. S. vol. vi (1849), 177, 21, 3.
? *elegantula*, Sharpe (DOSINIA), id. 177, 14, 2.
inelegans, S. (DOSINIA), id. 177, 20, 3.
lenticularis, Goldf. Sp. (DOSINIA), Forbes, G. T. vol. vii, 147, 18, 7.
excavata, Morton, Sp. (DOSINIA), Con. Proc. Acad. vol. vi, p. 320

ANOPLOMYA, Krauss, 1850.

lutraria, K. Nov. Act. Acad. C. L. C. vol. xx, 447, 47, 1. C. Good Hope. *U. G.?*

ASTARTE, Sow. 1816.

acuta, Reuss, Böhm. Kreid. 3, 33, 7. G. *C.*
Arcotensis, Forbes, Sp. (**Venus**), d'Orb. Prod. 238. India. *C.*
Astieriana, d'Orb. Prod. 77. Fr. *N.*
Beaumontii, Leym. M. G. S. F. vol. v, 4, 4, 1. Fr. *N.*
Bellona, d'Orb. Prod. 136. Fr. *G.*
Buchii, Roem. "Astarte," p. 20, f. 4. Fr. *N.*
Bronnii, Krauss, Nov. Act. Acad. C. L. C. vol. xx, 449, 48, 1. S. Af. *U. G.?*
Brunneri, P. & R. Env. Genèv. 435, 33, 3. Fr. *G.*
caelata, Mull. Aachen. Kreid. 22, 2, 3. G. *C.*
Capensis, Krauss (Herzogii), Amtl. Bericht. 1843, p. 126.
carinata, d'Orb. *not Phil.* (subacuta), P. F. 63, 262, 1–3.
concinna, Sow. G. T. vol. iv, 239, 16, 15. E. *U. G.*

crenulirata, Con. Jour. Acad. 2d s. vol. iv, 282, 46, 25. N. J., Ala., Miss., Tenn. *C.*
cyprinoides, d'Arc. (CYPRINA oblonga), pl. 14, f. 5.
difficilis, d'Orb. Prod. 238. Fr. *C.*
discus, Sharpe, Q. J. G. S. vol. vi, 177, 21, 4. Portugal. "*Lower Cret.*"
disparilis, d'Orb. P. F. 66, 264, 1–4. Fr. *N.*
? dubia, d'Orb. Am. Merid. 105, 6, 12–13. Peru. *N.*
Dupiniana, d'Orb. P. F. 70, 264, 4–6. Fr. *G.*
elongata, d'Orb. P. F. 68, 263, 8–11. Fr. *N.*
exotica, d'Orb. Am. Merid. 85, 18, 11–12. N. Gren. *N.*
formosa, Sow, G. T. 2d s. vol. iv, 239, 16, 16. E. *U. G.*
formosa, d'Orb. *not Sow.* (subformosa), P. F. 65, 262, 10–12.
gigantea, Desh. M. G. S. F. vol. v, 5–4, 3. Fr. *N.*
granum, Math. Sp. (**Venus**), d'Orb. Prod. 135. Fr. *C.*
gregaria, M. & H. 1856, Proc. Acad. p. 84. Neb. *C.*
Guerangeri, d'Orb. P. F. 71, 266 bis, 1–5. Fr. *U. G.*
Gurgitis, P. & R. Env. Genèv. 436, 33, 1. Fr. *G.*
Herzogii, Hausm. Sp. (**Cytherea**), Krauss. Nov. Act. Acad. C. L. C. vol. xx, 447, 47, 2. C. Good Hope. *U. G.?*
impolita, Sow. G. T. vol. iv, pl. 16, f. 18. E. *U. G.*
laevis, Phil. Geol. York. 94, 2, 18–19. E. *G.*
laticosta, Desh. (subformosa), M. G. S. F. vol. iv, 4, 4, 4–5.
lineolata, Roem. Kreid. Tex. 51, 7, 8. Texas. *C.*
lintea, Con. Lynch's Exped. 225, 19, 109. Syria. *C.*
macrodonta, Sow. G. T. vol. iii, pl. 38, f. 8. G. *C.*
Moreausa, d'Orb. P. F. 60, 259. Fr. *N.*
mucronata, Con. Lynch's Exped. 222, 16, 83. Syria. *C.*
multistriata, Sow. G. T. vol. iv, pl. 16, f. 17. E. *U. G.*
nana, Reuss, Böhm. Kreid. 3, 33, 18. G. *C.*
numismalis, d'Orb. P. F. 63, 262, 4–6. Fr. *N.*
Neocomensis, d'Orb. Prod. 77. Fr. *N.*
oblonga, Desh. *not Sow.* (elongata), M. G. S. F. vol. v, pl. 6, f. 1.
obovata, Sow. (CORBIS), M. Con. 353.
octolirata, Gabb, Jour. Acad. 2d s. vol. iv, 394, 68, 27. N. J., Tenn. *C.*
parilis, Con. Jour. Acad. 2d s. vol. ii, 276, 24, 16. N. J. *C.*
planissima, Forbes, G. T. 2d s. vol. vii, 143, 15, 23. India. *C.*
porrecta, Reuss, B. Kreid. 2, 33, 19. G. *C.*
pseudostriata, d'Orb. Prod. 77. Fr. *N.*
Sabaudiana, P. & R. Env. Genèv. 438, 32, 4. Fr. *G.*

sinuata, d'Orb. P. F. 69, 264, 1–3. Fr. *L. G.*
striata, Sow. M. Con. 520. E., Fr. *U. G.*
striatocostata, d'Orb. (subcostata), P. F. 64, 262, 7–9.
subacuta, d'Orb. Prod. 77. Fr. *N.*
subcostata, d'Orb. Prod. 77. Fr. *N.*
subdentata, Roem. Nord. Kreid. 71, 9, 9. G. *N.*
subformosa, d'Orb. Prod. 77. Fr. *N.*
sublineolata, Con. Lynch's Exped. 225, 19, 112. Syria. *C.*
substriata, Leym. *not Brown* (pseudostriata), M. G. S. F. vol. iii, 67, 263, 5–8.
Texana, Con. Emory's Rep. 152, 5, 9. Texas. *C.*
transversa, d'Orb. P. F. (Neocomensis), p. 61, 261.
truncata, Von Buch, Petr. Rec. par Humb. pl. 13–1–11. N. Gren. *N.*
undulosa, Con. Lynch's Exped. 222, 16, 81. Syria. *C.*
Washitensis, Shumard, Marcy's Rep. 206, 3, 3. Texas. *C.*

AVICULA, Klein, 1753, Lam. 1799.

abrupta, Con. Jour. Acad. 2d s. vol. ii, 274, 24, 5–6. N. J. *C.*
Aeolis, d'Orb. Prod. 168. Fr. *U. G.*
Allaudiensis, Math. Cat. 175, 26, 1. Fr. *N.*
anomala, Sow. 1836, *not Gein.* 1845, G. T. 2d s. vol. iv, pl. 17, f. 18. E., G., Fr., Sw. *U. G.*
approximata, Goldf. P. G. 133, 118, 7. G. *C.*
Aptensis, d'Orb. Prod. 119. Fr. *L. G.*
caerulescens, Nilss. P. Suec. pl. 3, f. 19. Sw., G., Fr. *C.*
Carteroni, d'Orb. P. F. 472, 390. Fr. *N.*
Cenomanensis, d'Orb. P. F. 476, 391, 11–13. Fr. *U. G.*
convexo-plana, Roem. Kreid. Tex. 61, 7, 9. Texas. *C.*
Cornueliana, d'Orb. P. F. 471, 389, 3–4. Fr. *N.*
Cottaldina, d'Orb. P. F. 470, 389, 1–2. Fr. *N.*
cretacea, Con. Nicollett's Rep. (1845), p. 169. Ark. *C.*
depressa, Forbes, *not Munst.* (subdepressa), Q. J. G. S. vol. i, 247, 3, 7.
ephemera, Forbes, Q. J. G. S. 1844, vol. i, 247, 3, 6. E. *L. G.*
?*fibrosa*, M. & H. (PHOLADOMYA), 1856, Proc. Acad. p. 86.
Geinitzii, Reuss, Böhm. Kreid. 23, 32, 6. G. *C.*
glabra, Reuss, id. 22, 32, 4, 5. G. *C.*
gryphaeoides, Sow. G. T. 2d s. vol. iv, pl. 11, f. 3. E. *U. G.*

Haydeni, Hall & Meek, Mem. Acad. Boston, 2d s. vol. v, 382, 1, 5. Neb. *C.*
interrupta, d'Orb. P. F. 477, 391, 14–18. Fr. *U. G.*
lanceolata, Forbes, *not Sow.* (sublanceolata), Q. J. G. S. vol. i, 247, 3–8.
laripes, Morton, Synopsis, 63, 17, 5. Del., (G., Russia, Crimea fide d'Orb.). *C.*
lineata, Roem. (sublineata), Nord. Kreid. pl. 8, f. 15.
linguaeformis, E. & Shum. 1855, Proc. Acad. p. 163. Vancouver Id.* *C.*
modioliformis, Mull. Aach. Kreid. 29, 2, 14. G. *C.*
Moutoniana, d'Orb. P. F. 479, 393. Fr. *U. G.*
macroptera, Roem. 1841 (Cornueliana), Kreid. *not Roem.* 1836, *not Lam.*
neglecta, Reuss, Böhm. Kreid. 23, 32, 10. G. *C.*
Nebrascensis, E. & S. Trans. St. Louis Acad. vol. i, p. 38. Nebraska. *C.*
nitida, Forbes, G. T. vol. vii, 151, 16, 6. India. *C.*
Nysa, d'Orb. Prod. 197. Fr. *C.*
Olisiponensis, Sharpe, Q. J. G. S. vol. vi, 178, 18, 3. Portugal. *C.*
paucilineata, Reuss, Böhm. Kreid. 23, 32, 11. G. *C.*
pectinata, Sow. G. T. vol. iv, pl. 14, f. 3. Fr., E. *L. G., N.*
Pedernalis, Roem. Kreid. Texas, 61, 8, 1. Texas. *C.*
pectiniformis, Gein. Charak. Kreid. 79, 20, 37. G., Fr. *C.*
pectinoides, Reuss, *not Sow.* (subpectinoides), B. K. 23, 32, 8–9.
Perigordina, d'Orb. Prod. 249. Fr. *C.*
petrosa, Con. Jour. Acad. 2d s. vol. ii, 274, 24, 15. Del., (Neb. ?) *C.*
planisulca, Roem. Kreid. Tex. 62, 7, 7. Texas. *C.*
plicata, d'Orb. *not Sow.* (subplicata), P. F. 475, 391, 8–10.
pulchella, Math. (pectiniformis), Cat. 176, 26, 4–5.
radiata, Gein. *not Leach* (Roxelana), Char. Kreid. 56, 10, 6.
Rauliniana, d'Orb. P. F. 474, 391, 4–7. Fr. *G.*
Reichii, Roem. Sp. (**Gervillia**), d'Orb. Prod. 168. G. *U. G.*
Rhodani, P. & R. Env. Genèv. 494, 41, 2. Fr. *G.*
Roxelana, d'Orb. Prod. 168. G. *U. G.*
semiplicata, Gein. Charak. Kreid. 20, 31, 79. G. *U. G.*
Samarensis, Con. Lynch's Exped. 225, 19, 107. Syria. *C.*
semiradiata, Reuss, Böhm. Kreid. 23, 32, 7. G. *U. G.*
subdepressa, d'Orb. Prod. 119. Fr., E. *L. G.*

* I have little doubt but that this species will prove identical with *A. petrosa*, Con., although I have not had an opportunity of comparing specimens of them.

subgibbosa, M. & H. 1860, Proc. Acad. p. 180. Neb. *C.*
sublanceolata, d'Orb. Prod. 119. E. *L. G.*
sublineata, d'Orb. Prod. 249. G. *C.*
subplicata, d'Orb. Prod. 167. Fr. *U. G.*
subradiata, Desh. (pectinata), M. G. S. F. vol. v, 9, 6, 3.
tenuicostata, Roem. (laripes), Nord. Kreid. pl. 8, f. 15.
triangularis, E. & S. 1855, Proc. Acad. p. 163. Vancouver I. *C.*
triloba, Roem. Sp. (**Gervillia**), d'Orb. Prod. 249. G. *C.*
triptera, Goldf. P. Germ. 133, 118, 8. G. *C.*

AXINAEA, Poli, 1791 (**Pectunculus**, Lam. 1801).

alternata, d'Orb. Sp. (**Pectunculus**), Gabb, 1861. Fr., G. *G.*
Bourgeoisiana, d'Orb. Sp. " " " Fr. *C.*
clava, Sow. Sp. " " " G. *C.*
Geinitzii, d'Orb. Sp. " " " G. *C.*
hamula, Morton, Sp. " Gabb, 1859, Cat. Cret. p. 15. N. J., Ala. *C.*
Heberiana, P. & R. Sp. " Gabb, 1861. Fr. *G.*
insculpta, Reuss, Sp. " " " G. *C.*
lens, Nilss. Sp. " " " G., Sw. *C.*
Marrotiana, d'Orb. Sp. " " " Fr. *C.*
Marullensis, Leym. Sp. " " " Fr. *N.*
Renauxiana, d'Orb. Sp. " " " Fr. *C.*
Requieniana, d'Orb. Sp. " " " Fr. *C.*
reticulata, Reuss, Sp. " " " G. *C.*
Reussii, d'Orb. Sp. " " " G. *U. G.*
Siouxensis, M. & H. Sp. " Gabb, 1859, Cat. Cret. p. 15. Nebraska. *C.*
australis, Morton, Sp. (subaustralis), Gabb, id. p. 15.
spinescens, Reuss, Sp. (**Pectunculus**), Gabb, 1861. G. *U. G.*
subauriculata, Forbes, Sp. " " " India. *C.*
subconcentrica, Lam. Sp. " " " Fr. *U. G.*
subdecussata, d'Orb. Sp. " " " G. *C.*
subimbricatus (a), M. & H. Sp. " Gabb, Cat. Cret. 1859, p. 15. Neb. *C.*
sublaevis, Sow. Sp. " Gabb, 1861. E. *U. G.*
subsulcata, d'Orb. Sp. " " " G. *C.*
ventricosa, Gein. Sp. " " " G. *U. G.*
rotundata, Gabb, Jour. Acad. vol. iv, 2d s. 396, 68, 33. Ala. *C.*
subaustralis, d'Orb. Sp. (**Pectunculus**), Gabb, 1861. Ala., N. J. *C.*

Bucardia, List. 1678* (GLOSSUS, Poli, 1795).

? *Moreauensis*, M. & H. (GLOSSUS), Proc. Acad. 1860, p. 426.

Byssoarca, Swains. (CIBOTA, Brown).

Marullensis, d'Orb. Sp. (**Arca**), Sow. Dixon's Geol. Suss. 355, 28, 11.

Catillus, Brong. 1822 (INOCERAMUS, Sow. 1819).

pyriformis, Mich. (I. concentricus), Mag. de Zool. pl. 32.
Lamarckii, Brong. (INOCERAMUS), Env. Par. p. 338.
mytiloides, Desh. (I. problematicus), Enc. Meth. t. ii, p. 211.
Schlotheimi, Nils. (I. problematicus), Petr. Suec. p. 19.
Cuvieri, Brong. (INOCERAMUS), Env. Par. pl. 4, f. 10, edit. 1822.

CAPSA, Lam. 1818.

discrepans, Duj. Sp. (**Psammobia**), d'Orb. P. F. 424, 381, 3–5. Fr. *C.*
elegans, d'Orb. P. F. 423, 381, 1–2. Fr. *U. G.*
Texana, Con. Emory's Rep. 164, 21, 6. Texas. *C.*

CARDITA, Brug. 1789 (**Venericardia**, Lam. 1801).

Cenomanensis, d'Orb. P. F. 94, 283 bis, 1–4. Fr. *U. G.*
Constantii, d'Orb. P. F. 89, 269, 1–5. Fr., G. *G.*
Cottaldini, d'Orb. P. F. 91, 269, 6–8. Fr. *U. G.*
†*decisa*, Morton (VENILIA Conradi), Synopsis, 66, 9, 3.
dubia, Sow. M. Con. 259. E., Fr. *U. G.*
Dupiniana, d'Orb. P. F. 88, 268, 6–10. Fr. *G.*
eminula, Con. Emory's Rep. 150, 6, 8. Texas. *C.*
exaltata, d'Orb. Prod. 137. Fr. *G.*

* The generic name **Bucardia**, being pre-Linnaean, must give way to Poli's name, that being the first one given to the genus under the binomial system.

† I place this name as a synonym of *V. Conradi*, only from the evidence of the figure given in the Synopsis. The Academy of Natural Sciences has all the known types of the Synopsis, and the only specimen in the Academy's museum resembling the figure is an undoubted cast of that species. Should it prove a distinct species, it is exceedingly rare, since I have never met with it among thousands of cretaceous fossils.

fenestrata, Forbes, Sp. (**Venus**), d'Orb. Prod. 77. E. *L. G.*
Geinitzii, d'Orb. Prod. 239. G. *C.*
Goldfussii, Müll. (PAPYRIDEA aequivalvis), Aach. Kreid. p. 20.
Guerangeri, d'Orb. P. F. 93, 270, 6–10. Fr. *U. G.*
Hebertiana, d'Orb. Prod. p. 293. Fr. *Danien.*
modiolus, Nilss. (GLOSSUS), Petrif. Suec. pl. 10, f. 6.
Neocomensis, d'Orb. P. F. 85, 267, 1–6. Fr. *N.*
orbicularis, Forbes (CARDIUM), G. T. vol. vii, 144, 17, 11.
parvula, Munst. in Goldf. P. Germ. pl. 133, f. 13. G. *C.*
quadrata, d'Orb. P. F. 86, 267, 7–10. Fr. *N.*
semistriata, Roem. *not Desh.* (CARDIUM bipartitum), Nord. K. 67, 8, 21.
striata, Forbes, *not Defr.* (CARDIUM substriatum), G. T. vol. vii, 144, 14, 1.
tenuicosta, Sow. Sp. (**Venericardia**), d'Orb. P. F. 87, 268, 1–5. Fr., G., E. *G.*
tenuicosta, Reuss, *not Sow.* (Cottaldina), Böhm. Kreid.
subquadrata, Gabb, Jour. Acad. 2d s. vol. iv, 303, 48, 21. N. J. (Tenn.?). *C.*
tricarinata, d'Orb. P. F. 95, 283 bis, 5–7. Fr. *U. G.*
tuberculata, Sow. *not Linn.* (CARDIUM Moutonianum), M. Con. 143.
rotundata, P. & R. Env. Genèv. 443, 33, 6. Fr. *G.*
subtetrica, Con. Emory's Rep. 164, 21, 5. Texas. *C.*

CALLISTA, Poli, 1791 (**Dione**, Gray, 1840).

Delawarensis, Gabb (**Dione**), 1861. Del., N. J. *C.*
Eufalensis, Con. Jour. Acad. 2d s. vol. iv, 282, 46, 24. Ala. *C.*

CARDIUM, Linn. 1758.

abruptum, Gabb, Jour. Acad. 2d s. vol. iv, 302. Tenn. *C.*
acuticostatum, d'Orb. Am. Merid. 120, 12, 19–22. Chili, Peru. *C.*
alternans, Reuss (Requienianum), Böhm. Kreid. 1, 35, 15–16.
alternatum, d'Orb. *not Sow.* (subalternatum), P. F. 30, 246.
altum, Sow. in Forbes, G. T. vol. vii, 145, 15, 13. India. *C.*
Alpinum, P. & R. Env. Genèv. 427, 31, 2. Fr. *G.*
Alutaceum, Münst. Goldf. P. Germ. pl. 144, f. 5. G. *C.*
Arkansense, Con. 1858, Proc. Acad. p. 266. Arkansas. *C.*

asperum, Münst. Goldf. P. G. 221, 144, 8. G. *C.*
Austeni, Forbes (ARCA), Q. J. G. S. vol. i, 244, 3, 3.
Australe, d'Orb. *not Sow.* (Australinum), Voy. Astr. pl. 2, f. 21–22.
Australinum, d'Orb. Prod. 242. Chili. *C.*
Becksii, Müll. Aach. Kreid. 21, 1, 7. G. *C.*
bellum, Con. Lynch's Exped. 225, 1–3. Syria. *C.*
bimarginatum, d'Orb. P. F. 39, 250, 4–8. Fr. *C.*
bipartitum, d'Orb. Prod. 242. G. *C.*
bisectum, Forbes, G. T. vol. vii, 144, 17, 9. India. *C.*
bispinosum, Duj. M. G. S. F. 223, 15, 7. Fr. *C.*
Brazoense, Shum. 1860, id. p. 600. Texas. *C.*
canaliculatum, Sow. Sp. (**Petricola**), d'Orb. Prod. 163. E. *U. G.*
Carolinum, d'Orb. P. F. p. 29, pl. 245. Fr. *U. G.*
caudatum, d'Orb. (PAPYRIDEA, aequivalvis), Voy. Astrol. pl. 4, 25–26.
Cenomanense, d'Orb. P. F. 37, 249, 5–9. Fr., Syria. *U. G.*
Choctawense, Shum. 1860, Trans. Acad. St. Louis, p. 599. Texas. *C.*
Coloradoense, Shum. 1860, id. p. 559. Texas. *C.*
Colombianum, d'Orb. Am. Merid. p. 82. N. Gren. *N.*
congestum, Con. Emory's Rep. 149, 6, 5. Texas. *C.*
Conniacum, d'Orb. P. F. 28, 244. Fr. *C.*
Constantii, d'Orb. P. F. 25, 242, 5–6. Fr. *G.*
Cordierianum, Math. Cat. 159, 17, 7–8. Fr. *C.*
Cornuelianum, d'Orb. (PAPYRIDEA), P. F. 23, 256, 1–2.
Cottaldinum, d'Orb. P. F. 22, 242, 1–4. Fr. *N.*
corrugatum, Sharpe, Q. J. G. S. vol. vi, 181, 14, 3. Portugal. "*Lower Cret.*"
Debeyanum, Müll. Aach. Kreid. 21, 1, 9. G. *C.*
denticulatum, Baily, Q. J. G. S. vol. xi, 460, 13, 4. S. Afr. *U. G.?*
Dupinianum, d'Orb. P. F. 26, 242 bis. G., Fr. *G.*
Dutempleanum, d'Orb. Prod. 293. Fr. *Danien.*
elegantulum, Roem. (PAPYRIDEA), Kreid. Tex. 48, 6, 5.
Eufalense, Con. Jour. Acad. 2d s. vol. iv, 284, 46, 13. Ala. *C.*
Faujasii, Desm. 1837, Mus. Burdig. Fr. *C.*
filosum, Con. (S. G. *Protocardia*), Emory's Rep. 150, 6, 7. Texas. *C.*
galeatum, Müll. (CORBULA), Aach. Kreid. 22, 2, 2.
Galloprovinciale, Math. (CORBIS corrugata), Cat. pl. 17, f. 1–4.
Gentianum, Brown (Moutonianum), Foss. Conch. G. B. 199–80, 1.

Goldfussii, Math. Cat. 156, 17, 5–6. Fr. *U. G.*
Guerangeri, d'Orb. P. F. 35, 249, 1–4. Fr., Syria. *U. G.*
guttiferum, Math. Cat. 156, 18, 1–2. Fr. *U. G.*
Hillanum, Sow. M. Con. vol. i, pl. 14. E., Fr., G., India. *U. G.*
Hillanum, Roem. *not Sow.* (Texanum), Kreid. Tex. 39, 6, 12.
Hillanum, d'Orb. *pars. not Sow.* (Requienianum), P. F. p. 27.
hemicyclicus (um), Tuomey, 1855, Proc. Acad. p. 170. Ala. *C.*
hypericum, d'Arc. M. G. S. F. 2d s. vol. ii, 304, 14, 9. G. *U. G.*
Ibbetsonii, Forbes, Q. J. G. S. vol. i, 243, 2, 9. E. *L. G.*
imbricatarium, Desh. Sp. (**Lucina**), d'Orb. P. F. 18, 236, 4, 6 Fr. *N.*
impressum, Desh. M. G. S. F. 6, 8, 1–2. Fr. *N.*
inaequicostatum, Math. Cat. 156, 18, 3, 4. Fr. *U. G.*
incomptum, Sow. in Forbes, G. T. 2d s. vol. vii, 145, 15, 16. India. *C.*
inornatum, d'Orb. (UNICARDIUM), P. F. 24, 256, 3–6. Fr. *N.*
insculptum, Duj. M. G. S. F. vol. ii, 224, 15, 9. Fr. *C.*
intersectum, Forbes (MACTRA), G. T. vol. vii, 145, 18, 8.
Itierianum, Math. Cat. 158, 18, 10–11. Fr. *C.*
Jacquinoti, d'Orb. Voy. Astrol. pl. 5, 23, 25. India. *C.*
lineolatum, Reuss, Böhm. Kreid. 1, 35, 17. G. *C.*
lintea (um), Con. (*S. G. Protocardia*), Jour. Acad. 2d s. vol. iv, 278, 46, 17. Ala. *C.*
lucernum, Forbes (PAPYRIDEA aequivalvis), G. T. vol. vii, 145, 17, 10.
Mailleanum, d'Orb. P. F. 40, 256, 7–12. Fr. *U. G.*
Marquartii, Müll. Aach. Kreid. 22, 1–10. G. *C.*
mediale, Con. Emory's Rep. 149, 4, 4. Texas. *C.*
Michelini, d'Arc. M. G. S. F. 2d s. vol. ii, 304, 14, 8. Fr. *U. G.*
Marticense, Math. (Hillanum), Cat. 157, 8, 5.
Moutonianum, d'Orb. P. F. 34, pl. 248. Fr. *U. G.*
multiradiatum, Gabb, Jour. Acad. 2d s. vol. iv, 395, 68, 29. Ala., N. J. *C.*
multistriatum, Shum. Marcy's Rep. 207, 4, 2. Texas. *C.*
Neckerianum, P. & R. Env. Genêv. 424, pl. 30, f. a–b. Fr. *G.*
Neptuni, Goldf. (PINNA), Petrif. 221, 144. E.
Olisiponense, Sharpe, Q. J G. S. vol. vi, 181, 14, 4. Portugal. *C.*
ollonis, Gein. Charakt. Kreid. 31, 14, 1. G. *C.*
orbiculare, Forbes, Sp. (**Cardita**), d'Orb. Prod. 242. India. *C.*
ovulum, Con. Lynch's Exped. 225, 19, 108. Syria. *C ?*
Pelagi, d'Orb. Prod. 162. Fr. *U. G.*

peregrinosum, d'Orb. Coq. et Echin. Foss. de Col. 463, 6–8. N. Gren. *N.*
pisolithicum, d'Orb. Prod. 293. Fr. *Danien.*
Ponticeriense, d'Orb. (altum), Voy. Astrol. pl. 5, f. 21–22.
proboscideum, Sow. M. Con. pl. 156. E. *U. G.*
productum, Sow. G. T. 2d s. vol. iii, pl. 39, f. 15. Fr., E., G. *U. G.*
propinquum, Munst. Goldf. 222, 145, 1. G. *C.*
protextum, Con. (PAPYRIDEA elegantula), Jour. Acad. 2d s. vol. ii, 275, 24, 12.
pustulosum, Munst. Goldf. P. Germ. 221, 144, 6. G. *U. G.*
radiatum, Duj. M. G. S. F. 2d s. vol. ii, pl. 15, f. 8. Fr. *C.*
rarum, E. & S. Trans. Acad. St. Louis, vol. i, p. 39. Nebraska. *C.*
Raulinianum, d'Orb. P. F. 25, 242, 7–10. Fr., G. *G.*
Requienianum, Math. Catal. 157, 18, 6. Fr. *C.*
Ripleyense, Con. Jour. Acad. 2d s. vol. iii, p. 326. Ala. *C.*
Sancti-sabae, Roem. (PHOLADOMYA), Kreid. Tex. 48, 6, 7.
semipapillatum, Reuss, Böhm. Kreid. 1, 40, 12. G. *C.*
semipustulosum, Müll. Aach. Kreid. 21, 1, 8. G. *C.*
scitulum, Meek, Trans. Alb. Inst. (1857), vol. iv, p. 40. Vancouver I. *C.*
speciosum, M. & H. 1856, Proc. Acad. p. 274. Nebraska. *C.*
sphaeroideum, Forbes, Q. J. G. S. vol. i, 243, 2, 8. E. *N.*
subalternatum, d'Orb. Prod. 195. Fr. *C.*
subdinnense, d'Orb. (PAPYRIDEA), P. F. 38, 250, 1–3.
subhillanum, Leym. M. G. S. F. 2d s. vol. v, 5, 7, 2. Fr. *N.*
subquadratum, E. & S. Trans. Acad. St. Louis, 1857, p. 39. Nebraska. *C.*
subventricosum, d'Orb. Prod. 163. Fr. *U. G.*
tetragonum, Mich. (CARDITA tenuicosta), M. G. S. F. pl. 12, f. 3, vol. iii.
Texanum, Con. Emory's Rep. 150, 6, 6. Texas. *C.*
Tippanum, Con. Jour. Acad. 2d s. vol. iii, 326, 34, 8. Ala., Miss. *C.*
Toucasianum, d'Orb. Prod. 195. Fr. *C.*
tuberculiferum, Goldf. P. Germ. 144, 7. G. *C.*
umbonatum, Sow. M. Con. 156. E. *U. G.*
ventricosum, d'Orb. *not Brug.* (subventricosum), P. F. 41, 257, 1–3.
Villenuevianum, Math. Cat. 158, 18, 7–8. Fr. *C.*
Vindinense, d'Orb. P. F. 38, 249, 10–14. Fr. *U. G.*
Voltzii, Leym. M. G. S. F. vol. v, 6, 7, 3. Fr. *N.*

Cercomya, Agas. 1842.

inflata, Agas. (ANATINA), Etud. Crit. 153, 11, 22–24.

Ceromya, Agas. 1842 (GLOSSUS, Poli, 1795).

crassicornis, Ag. (GLOSSUS), Etud. Crit. pl. 8, f. 11–16.
Neocomensis, Ag. (GLOSSUS), id. pl. 8, f. 5.

CHAMA, Brug. 1789.*

Ammonia, Goldf. (CAPROTINA), Petr. pl. 138, f. 8.
angulosa, d'Orb. P. F. 699, 464, 8. Fr. *C.*
canaliculata, Sow. (GRYPHAEA), M. Con. pl. 26.
conica, Sow. (EXOGYRA), M. Con. pl. 26.
cornucopiae, d'Orb. P. F. 689, 464, 8–9. Fr. *C.*
costata, Roem. Nord. Kreid. 67, 8, 20. G. *C.*
cretacea, d'Orb. P. F. 689, 464, 1–2. Fr. *U. G.*
haliotoidea, Sow. (EXOGYRA), M. Con. pl. 25.
laciniata, Nilss. (EXOGYRA), P. Suec. 28, 8, 2.
Plauensis, Geinitz, Quadersand. G.
plicata, Sow. (EXOGYRA conica), M. Con. pl. 26.
recurvata, Sow. (EXOGYRA conica), M. Con. pl. 26.
semiplana, Roem. Nord. Kreid. 67, 8, 19. G. *C.*

CIBOTA, Brown, 1756 (**Navicula**, Blainv. 1818. **Byssoarca**, Swains, 1820).

lintea, Con. Jour. Acad. 2d s. vol. iii, 328, 34, 11. Ala., Miss. *C.*
Marullensis, d'Orb. Sp. (**Arca**), Gabb, 1861. E., Fr. *C., N.*
multiradiata, Gabb, 1860, Proc. Acad. 94, 2, 1. N. J. *C.*
rostellata, Morton, Sp. (**Arca**), Gabb, 1859, Cat. Cret. p. 10. N. J. *C.*

CLAVAGELLA, Lam. 1812.

armata, Morton, Synopsis, 67, 9, 11. Ala. *C.*
Cenomaniana, d'Orb. Prod. 157. Fr. *U. G.*
clavata, Roem. Sp. (**Teredina**), Nord. Kreid. 76, 10, 10. G. *C.*

* There is a species found in the marls of N. J., about an inch and a half in diameter, of which I have seen but a single cast. It is in my collection.

cretacea, d'Orb. P. F. 300, pl. 347. Fr. *C.*
Ligeriensis, d'Orb. Prod. 233. Fr. *C.*
*semisulcata, Forbes, G. T. vol. vii, 139, 17, 1. India. *C.*

CORBIS, Cuv. 1817.

corrugata, Sow. Sp. (**Sphaera**), d'Orb. Prod. 78. E., Fr. G. *N.*
cordiformis, d'Orb. (corrugata), P. F. 111, 279.
Gaultiana, P. & R. Env. Genèv. 448, 34, 4. Fr. *G.*
multilamellosa, d'Orb. Prod. 293. Fr. *Danien.*
obovata, Sow. Sp. (**Astarte**), d'Orb. Prod. 78. E. *N.*
rotundata, d'Orb. P. F. 113, 280. Fr. *U. G.*
striato-costata, d'Orb. P. F. 114, 281, 1–2. Fr. *C.*
sublamellosa, d'Orb. Prod. 293. Fr. *Danien.*

CORBULA, Brug. 1792.

aequivalvis, Goldf. (PAPYRIDEA), P. Germ. 250, 151, 15.
alata, Sow. G. T. vol. iv, 176, 21, 5. E. *N.*
angustata, Sow. 1821, *not Sow.* 1826 (subangustata), G. T. vol. iii, pl. 38, f. 4.
carinata, d'Orb. (Neocomensis), P. F. 457, 388, 3–5.
caudata, Tuomey, *not Nilss.* (subcaudata), 1855, Proc. Acad. p. 170.
Chiliensis, d'Orb. Voy. Astrol. pl. 2, 11–12. Chili. *C.*
cochlearia, d'Orb. id. pl. 5, 14, 17. India. *C.*
Colombiana, d'Orb. Coq. et Echin. Foss. de Col. p. 49. N. Grenada. *N.*
compressa, d'Orb. *not Lea, American Eocene* (pseudocompressa), P. F. 458, 388, 6–8.
costae, Sharpe, Q. J. G. S. vol. vi, 181, 20, 2. Portugal. *"Lower Cretaceous."*
crassimarginata, M. & H. 1860, Proc. Acad. p. 425. Nebraska. *C.*
crassiplica, Gabb, 1860, Jour. Acad. 2d s. vol. iv, 394, 68, 25. N. J., Tenn. *C.*
elegans, Sow. M. Con. 139, 572, 1. E., G., Fr. *U. G.*
elegans, d'Orb. *not Sow.* (elegantula), P. F. 460, 388, 14–17.
elegantula, d'Orb. Prod. 118. Fr., E. *L. G.*
Edwardii, Sharpe, Q. J. G. S. vol. vi, 181, 21, 2. Portugal. *"Lower Cret."*

* Gastrochoena, on the plate.

gigantea, Sow. M. Con. 209. E. *U. G.*
Eufalensis, Con. Jour. Acad. 2d s. vol. iv, 283, Ala. *C.*
Eufalensis, Gabb (Hilgardii), id. 394, 68, 26.
Goldfussiana, Math. Catal. 143, 13, 9–10. Fr. *C.*
Graysonensis, Shum. Trans. Acad. St. Louis, 1860, p. 603. Texas. *C.*
? *gregaria*, M. & H. (CORBULAMELLA), 1856, Proc. Acad. p. 84.
Hilgardii, Gabb, 1861 (*Eufalensis* G. *not Con.*). Ala. *C.*
incerta, d'Orb. P. F. 456, 388, 1–2. Fr. *N.*
inornata, M. & H. 1858, Proc. Acad. p. 52. Nebraska. *C.*
laevigata, Sow. (UNICARDIUM), d'Orb. Prod. 163. E. *U. G.*
lanceolata, Gein. (ANATINA), Nacht. Kreid. 12, 2, 3.
lineata, Müll. Aach. Kreid. 26, 2, 6. G. *C.*
minima, d'Orb. Voy. Astrol. pl. 5, 18–20. India. *C.*
Moreauensis, M. & H. (NEAERA), Proc. Acad. 1856, p. 83.
Neocomensis, d'Orb. Prod. 76. Portugal, Fr. *N.*
obtusa, Müll. Aach. Kreid. 26, 2, 7. G. *C.*
occidentalis, Con. Emory's Rep. 150, 6, 9. Texas. *C.*
pseudocompressa, Gabb, 1861 (*compressa* d'Orb. *not Lea*). Fr. *N.*
punctosum, Phil. Geol. York, 94, 2, 6. E. *L. G.*
socialis, d'Orb. Prod. 136. Fr. *G.*
striatula, Sow. M. Con. pl. 527. E., Fr., G. *N., L. G.*
striatula, Goldf. *not Sow.* (substriatula), P. Germ. 251, 151, 16.
striatuloides, Forbes, G. T. vol. vii, 141, 18, 14. India. *C.*
subangustata, d'Orb. Prod. 238. G. *C.*
subcaudata, Gabb, 1861 (*caudata*, Tuomey, *not Nilss.*). Ala. *C.*
subcompressa, Gabb, Jour. Acad. 2d s. vol. iv, 394, 68, 24. Tenn., N. J. *C.*
subglobosa, Goldf. (LUCINA), Petrif. Germ. 251, 151, 18.
sublineolata, Con. Lynch's Exped. 222, 16, 83. Syria. *C.*
substriatula, d'Orb. Prod. 238. G. *C.*
Syriaca, Con. Lynch's Exped. 222, 21, 125. Syria. *C.*
truncata, Sow. G. T. vol. iv, pl. 18, f. 8. E., Fr. *U. G.*
truncata, d'Orb. *not Sow.* (Goldfussiana), P. F. 461, 388, 18–20.
Tuomeyi, Shumard, Trans. Acad. St. Louis, 1860, p. 604. Texas. *C.*
ventricosa, M. & H. (NEAERA), 1856, Proc. Acad. p. 83.

CORBULAMELLA, Meek & Hayden, 1857.

gregarea, M. & H. (? **Corbula**), Proc. Acad. 1857, p. 143. Neb. *C.*

Corimya, Agas. 1843.

Nicoleti, Agas. (THRACIA), Etud. Crit. 272, 37, 1–6.
taurica, Agas. (THRACIA), id. 273, 39, 12, 13.
vulvaria, Agas. (THRACIA), id. 272, 37, 7–11.

CRASSATELLA, Lam. 1799.

*Alabamensis, d'Orb. Prod. 239. Ala. *C.*
arcacea, Roem. Nord. Kreid. 74, 9, 24. G. *C.*
? Bockschii, Gein. Nacht. Kreid. 12, 2, 17–18. G. *C.*
Bosquetiana, d'Orb. Prod. 239. G. *C.*
Buchiana, Karst. Geog. Verh. N. Gren. pl. 5, f. 7. N. Gren. *C.*
Cornueliana, d'Orb. P. F. 74, 264, 7–9. Fr. *N.*
cuneata, Gabb, 1861 (*pteropsis*, Gabb, *not Con.*). Ala., Tenn. *C.*
Dufrenoyi, Leym. M. G. S. F. 2d s. vol. iv, 194, pl. a. f. 15. Fr. *C.*
Delawarensis, Gabb, Jour. Acad. 2d s. vol. iv, 303, 48, 20. Del., N. J. *C.*
Evansii, H. & M. Mem. Acad. Boston, 2d s. vol. v, 383, 1, 9. Nebraska. *C.*
Fisiana, P. & R. Env. Genèv. 440, 33, 4. Fr. *G.*
Galliennei, d'Orb. P. F. 81, 266 bis, 6–8. Fr. *U. G.*
Galloprovincialis, Math. Catal. 142, 13, 8. Fr. *C.*
Guerangeri, d'Orb. P. F. 76, 265, 1–2. Fr. *U. G.*
Hellica, d'Orb. Prod. 293. Fr. *Danien.*
impressa, Sow. G. T. vol. iii, pl. 38, f. 3. G. *C.*
inornata, d'Orb. Prod. 136. Fr. *G.*
Ligeriensis, d'Orb. P. F. 77, 265, 3–5. Fr. *U. G.*
lintea, Con. Jour. Acad. 2d s. vol. iv, 279, 46, 5. Ala., Miss. *C.*
Marrotiana, d'Orb. P. F. 82, 266, 8–9. Fr. *C.*
Monmouthensis, Gabb, Jour. Acad. 2d s. vol. iv, 302, 48, 19. N. J., Ala., Tenn. *C.*
Neptuni, d'Orb. Prod. 160. Fr. *U. G.*

* It is utterly impossible to identify with any degree of certainty the species described in the "Prodrome." The only description given of this species is "Espèce voisine du *C. Marrotiana*, mais plus large à l'extrémité anale ; ayant une tout autre forme que le *C. vadosa*, Mort." This description is even more full than the average, but can be applied with equal propriety to four other known species.

Normaniana, d'Orb. Prod. 239. Fr. *C.*
oblonga, Reuss, Sp. (**Cyprina**), d'Orb. Prod. 239. G. *C.*
orbicularis, Math. Cat. 141, 13, 7. Fr. *C.*
pentagona, Reuss, Sp. (**Venus**), d'Orb. Prod. 239. G. *C.*
pisolithica, d'Orb. Prod. 293. Fr. *Danien.*
protracta, Reuss (CYPRICARDIA), Böhm. Kreid. 3, 37, 15.
pteropsis, Con. Jour. Acad. 2d s. vol. iv, 279, 46, 5. Ala., Miss. *C.*
pteropsis, Gabb, *not Con.* (cuneata), id. 395, 68, 28.
Pyrenaica, d'Orb. P. F. 78, 265, 6, 7. Fr. *
quadrata, d'Arc. *not d' Orb.* (CYPRINA Archiaciana), M. G. S. F. vol. ii, 301, 14, 1.
regularis, d'Orb. P. F. 80, 266, 4–7. Fr. *C.*
Ripleyana, Con. (vadosa), Jour. Acad. 2d s. vol. iii, 327, 35, 3.
Robinaldini, d'Orb. P. F. 75, 264, 10–13. Fr. *N.*
Sabaudiana, P. & R. Env. Genèv. 440, 33, 3. Fr. *G.*
Saxoneti, P. & R. id. 439, 33, 2. Fr. *G.*
subgibbosula, d'Arc. M. G. S. F. 2d s. vol. ii, 301, 14, 2–3. Fr. *U. G.*
subplana, Con. Jour. Acad. 2d s. vol. ii, 274, 24, 9. Ala. *C.*
Syriaca, Con. Lynch's Exped. 223, 17, 100. Syria. *C.*
trapezoidalis, Roem. (CYPRICARDIA), Nord. Kreid. 74, 9, 22.
tricarinata, Roem. (CYPRICARDIA), id, 74, 9, 23.
vadosa, Morton, Synopsis, 66, 13, 12. N. J., Del., Ala., Miss., Tenn. *C.*
Vendinnensis, d'Orb. P. F. 79, 266, 1–3. Fr. *U. G.*

Crassina, Lam. 1818 (ASTARTE, Sow. 1816).

laevis, Phil. Geol. Yorkshire (ASTARTE), pl. 2, f. 18.

CRENELLA, Brown, 1827.

S. G. *Stalagmium*, Con. 1860.

serica, Con. Jour. Acad. 2d s. vol. iv, 281, 46, 23. Ala. *C.*

CTENOIDES, Klein, 1753 (**Lima**, Brug. 1792).

Aeolis, d'Orb. Sp. (**Lima**), Gabb, 1861. Fr. *U. G.*
Albensis, d'Orb. Sp. " " " Fr., G. *G.*

* Referred in Prodrome to the Eocene, stage 24; and in Pal. Fr. to the Turonien or lower chalk.

acutilineata, Con. Jour. Acad. 2d s. vol. iii, 329, 34, 2. N. J., Ala., Tenn. *C.*
Alpina, P. & R Sp. (**Lima**), Gabb, 1861. Fr. *G.*
amygdaloides, Reuss, Sp. (**Lima**), Gabb, 1861. G. *C.*
aspera, Mant. Sp. (**Plagiostoma**), Gabb, 1861. E., Fr. G. *C.*
Astieriana, d'Orb. Sp. (**Lima**), Gabb, 1861. Fr. *U. G.*
Baugasiana, d'Orb. Sp. " " " Fr. *C.*
Bolina, d'Orb. Sp. " " " Fr. *N.*
Bourgeoisiana, d'Orb. Sp. " " " Fr. *C.*
Calypso, d'Orb. Sp. " " " Fr. *U. G.*
canalifera, Goldf. Sp. " " " G., Crimea. *U. G.*
carinata, Munst. Sp. " " " G. *U. G.*
Carteroniana, d'Orb. Sp. " " " G., Fr. *N.*
Clypeiformis, d'Orb. Sp. " " " Fr. *U. G.*
Cenomanensis, d'Orb. Sp. " " " Fr. *U. G.*
Coniacensis, d'Orb. Sp. " " " Fr. *G.*
Cottaldina, d'Orb. Sp. " " " Fr. *L. G.*
crenulicosta, Roem. Sp. " Gabb, 1859, Cat. Cret. p. 11. Texas, Ala., Miss., Tenn. *C.*
decussata, Goldf. Sp. (**Lima**), Gabb, 1861. G. *C.*
dichotoma, Reuss, Sp. " " " G. E. *C.*
difficilis, d'Orb. Sp. " " " Fr. *C.*
divaricata, Duj. Sp. " " " Fr. *C.*
Dujardini, Desh. Sp. " " " Fr. *C.*
Dupiniana, d'Orb. Sp. " " " Fr. *N.*
Dutempleana, d'Orb. Sp. " " " Fr. *C.*
elegans, Duj. Sp. " " " Fr. *C.*
elegantula, d'Orb. Sp. " " " Fr. *C.*
expansa, Forbes, Sp. " " " E., Fr. *N.*
Farringdonensis, Sharpe, Sp. (**Lima**), Gabb, 1861. E. *L. G.*
Fittonii, d'Orb. Sp. " " " F., E. *N.*
Gallienniana, d'Orb. Sp. " " " Fr. *U. G.*
Galloprovincialis, Math. Sp. " " " Fr. *N.*
granosa, Sow. Sp. " " " E. *C.*
granulata, Nils. Sp. (**Plagiostoma**), Gabb, 1861. Sw., G., Fr. *C.*
Hoperi, Mant. Sp. " " " E., Sw., G., Crimea, Fr. *C., U. G.*
intercostata, Duj. Sp. (**Lima**), Gabb, 1861. Fr. *C.*
intermedia, d'Orb. Sp. " " " Fr. *U. G.*
interstriata, Gein. Sp. " " " G.
Itieriana, P. & R. Sp. " " " Fr. *G.*

laevissima, Reuss, Sp. (**Lima**), Gabb, 1861. G. *C.*
laticosta, Roem. Sp. " " " G. *C.*
Ligeris, Duj. Sp. " " " Fr. *C.*
Leonensis, Con. Sp. " Gabb, 1859. Cat. Cret. p. 11.
Texas. *C.*
longa, Roem. Sp. " Gabb, 1861. G. *C.*
Mantelli, Brong. Sp. (**Plagiostoma**), Gabb, 1861. F. G. *C.*
Marrotiana, d'Orb. Sp. (**Lima**), Gabb, 1861. Fr. *C.*
Marticensis, Math. Sp. " " " Fr. *C.*
Massilliensis, Math. Sp. " " " Fr. *N.*
maxima, d'Arc. Sp. " " " Fr. *C.*
minuta, Goldf. Sp. " " " G. *C.*
Montana, P. & R. Sp. " " " Fr. *G.*
multicostata, Gein. Sp. " " " E., Fr., G. *C.*
Moreana, d'Orb. Sp. " " " Fr. *L. G., N.*
Moutoniana, d'Orb. Sp. " " " Fr. *U. G.*
Neocomensis, d'Orb. Sp. " " " Fr. *N.*
Nilssonii, Roem. Sp. " " " G. *C.*
obliquestriata, Forbes, Sp. " " " India. *C.*
obsoleta, Duj. Sp. " " " Fr. *C.*
Orbignyana, Math. Sp. " " " Fr. *N.*
ornata, d'Orb. Sp. " " " Fr. *U. G.*
ovata, Nilss. Sp. (**Plagiostoma**), " " Sw. G. *C.*
parallela, Sow. Sp. (**Modiola**), " " E., Fr. *G.*
paucicostata, Reuss, Sp. (**Lima**), " " G. *C.*
pectita, d'Orb. Sp. " " " Fr. *C.*
pelagica, Morton, Sp. (**Plagiostoma**), Gabb, 1861. N. J. *C.*
pennata, d'Arc. Sp (**Lima**), Gabb, 1861. G. *U. G.*
plicatilis, Duj. Sp. " " " Fr. *C.*
pseudocardium, Reuss, Sp. (**Lima**), Gabb, 1861. G. *U. G.*
pulchella, d'Orb. Sp. " " " Fr. *C.*
rapa, d'Orb. Sp. " " " Fr. *U. G.*
Rauliniana, d'Orb. Sp. " " " Fr. *G.*
rectangularis, d'Arc. Sp. " " " G. *C.*
Reichenbachii, Gein. Sp. " " " G. *U. G.*
Renauxiana, Math. Sp. " " " Fr. *U. G.*
resecta, d'Arc. Sp. " " " G. *U. G.*
reticulata, Lyell & Forbes, Sp. " " 1859, Cat. Cret. p.
11. N. J., Tenn., Ala. *C.*
Reussi, d'Orb. Sp. " " 1861. G. *C.*
Rhodaniana, d'Orb. Sp. " " " Fr., G. *G.*

Rhotomagensis, d'Orb. Sp. (**Lima**), Gabb, 1861. Fr. *C.*
Robinaldini, d'Orb. Sp. " " " Fr. *N.*
Royeriana, d'Orb. Sp. " " " Fr. *N.*
Sabaudiana, P. & R. Sp. " " " Fr. *G.*
Santonensis, d'Orb. Sp. " " " Fr. *C.*
Saxoneti, P. & R Sp. " " " Fr. *G.*
semiornata, d'Orb. Sp. " " " Fr. *U. G.*
semisulcata, Desh. Sp. " " " G., Fr. *C.*
septemcostata, Reuss, Sp. " " " G. *C.*
simplex, d'Orb. Sp. " " " Fr. *U. G.*
spinosa, Sow. " " " Eng. *C.*
stricta, Roem. Sp. " " " G. *N.*
subaequilateralis, d'Orb. " " " Fr. *U. G.*
subabrupta, d'Orb. Sp. " " " Fr. *U. G.*
subconsobrina, d'Orb. Sp. " " " E., Fr. *U. G.*
sublaeviuscula, Gabb, 1861 (**L.** *laeviuscula*, Sow.). E. *C.*
subovalis, Sow. Sp. (**Lima**), Gabb, 1861. E. *U. G.*
subplana, d'Orb. Sp. " " " G. *C.*
subrigida, Roem. Sp. " " " G. *N.*
subsemisulcata, d'Orb. Sp. (**Lima**), Gabb, 1861. E. *U. G.*
tecta, Goldf. Sp. " " " Fr., G. *C., U. G.*
Tombeckiana, d'Orb. Sp. " " " Fr., G. *N.*
Toucasiana, d'Orb. Sp. " " " Fr. *C.*
truncata, Munst. Sp. " " " Fr., G. *C.*
undata, Desh. Sp. " " " E., Fr. *N.*
undulata, Reuss, Sp. " " " G. *C.*
Varusensis, d'Orb. Sp. " " " Fr. *U. G.*
Wacoensis, Roem. Sp. " " 1859, Cat. Cret. p. 11. Texas. *C.*

CUCULLAEA, Lam. 1801 (**Arca**, *pars*, Auct.).

aequilateralis, Meek, 1857, Trans. Alb. Inst. vol. iv, p. 39. Vancouver I. *C.*
antrosa, Morton, Synopsis, 75, 13, 6. N. J., Del., Ala. *C.*
Archiaciana, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr. *C.*
brevis, d'Orb. Voy. Am. Mer. 89, 20, 2–4. N. Grenada. *N.*
Beaumontii, d'Arc. Mem. sur la Crais. Fr. *C.*
cancellata, Krauss, Nov. Act. C. L. C. vol. xx, 452, 48, 2. S. Africa. *U. G.?*
capax, Con. (antrosa), Jour. Acad. 2d s. vol. iii, 328, 35, 2.

carinata, Sow. M. Con. 44. E., G., Fr. *G., U. G.*
concentrica, Roem. Nord. Kreid. 70, 9, 1. G. *U. G.*
cor, Math. Catal. 19, 3, 4. Fr. *N.*
Corneuiliana, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr. *N.*
costellata, Sow. (carinata), M. Con. 447.
cretacea, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr. *C.*
decussata, Sow. M. Con. 206. E., Fr. *C., L. G.*
dilatata, d'Orb. (Gabrielis), Am. Merid. 8, 9, 20, 5, 7.
exigua, M. & H. 1856, Proc. Acad. p. 275. Neb. *C.*
fibrosa, Sow. M. Con. 207. E., G., Fr. (Neb.? *teste M. & H.*) (*C.?*) *G., U. G.*
formosa, Sow. G. T. vol. iv, 240, 17, 7. E. *U. G.*
Gabrielis, Leym. M. G. S. F. 2d s. vol. v, pl. 7, f. 5. Fr., G., N. Grenada. *N.*
glabra, Sow. M. Con. pl. 67. E. *U. G.*
irregularis, Math. Cat. 20, 3, 5. Fr. *U. G.*
Ligeriensis, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr. *U. G.*
lintea, Con. Lynch's Exped. 223, 17, 95. Syria. *C.*
Maconensis, Con. Jour. Acad. vol. iv, 281, 47, 20. Ala. *C.*
Mailleana, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr. *U. G.*
Marceana, d'Orb. Sp. " " " Fr. *U. G.*
Matheroniana, d'Orb. Sp. " " " Fr. *C.*
nana, Leym. M. G. S. F. vol. v, 5–9, 1. Fr. *G.*
Nebrascensis, Owen Rep. I. W. & M. 582, 7, 1. Nebraska. *C.*
obesa, P. & R. Sp. (**Arca**), Gabb, 1861. Fr. *G.*
Orbignyana, Math. Catal. 161, 20, 1–2. Fr. *U. G.*
parallela, Con. Lynch's Exped. 223, 17, 98. Syria. *C.*
Passyana, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr., Portugal. *U. G.*
Raulina, Leym. M. G. S. F. vol. v, pl. 10, f. 1. Fr. *N.*
Requieniana, Math. Catal. 162, 20, 6–8. Fr. *U. G.*
sagittata, d'Arc. M. G. S. F. vol. ii, p. 189. Fr. *U. G.*
Santonensis, d'Orb. Sp. (**Arca**), Gabb, 1861. Fr. *C.*
Schusteri, Roem. Nord. Kreid. 70, 9, 3. G. *N.*
securis, Leym. M. G. S. F. vol. v, pl. 7, f. 6–7. Fr. *N.*
**Shumardii*, M. & H. (fibrosa?), Proc. Acad. 1856, p. 56.
striatella, Mich. (carinata), M. G. S. F. 102, 12–11.

* I place this species, as synonymous with *C. fibrosa*, with a query, because *C. fibrosa* has never been reported above the upper greensand in England or France. Should it prove identical, as Messrs. Meek and Hayden think, it will be one of the rare instances of a species peculiar to a certain deposit in one locality, being found in another deposit in a distant locality.

subrotunda, Con. Lynch's Exped. 223, 17, 94. Syria. *C.*
Tailburgensis, d'Arc. Mem. sur la Craie. Fr. *C.*
terminalis, Con. Emory's Rep. 148, 4, 2. Texas. *C.*
Tippana, Con. Jour. Acad. 2d s. vol. iii, 328, 35, 1.. Ala. *C.*
Tocaymensis, d'Orb. Am. Merid. 90, 21, 1–3. N. Grenada. *N.*
trapezoidea, Gein. Charak. Kreid. 78, 20, 10. G. *U. G.*
tumida, Math. (Gabrielis), Catal. pl. 19, f. 1–2.
tumida, d'Arc. M. G. S. F. 2d s. vol. ii, p. 189. Fr. *C.*
ungula, Tuomey, 1855, Proc. Acad. p. 170. Ala. *C.*
vulgaris, Morton, Synopsis, 64, 38, pl. 13, 5. N. J., Del. *C.*

Cultellus, Con. (SILIQUA, Muhlf.).

australis, Gabb (SILIQUA), Proc. Acad. 1860, 198, 3, 8.
cretaceus, Gabb (SILIQUA), Jour. Acad. 2d s. vol. iv, 308, 48, 25.

CYPRICARDIA, Lam. 1801.

protracta, Reuss, Sp. (**Crassatella**), d'Orb. Prod. 240. G. *C.*
subcarinata, d'Orb. Prod. 161. Fr. *U. G.*
isocardia, d'Orb. Prod. 161. Fr. *U. G.*
orbiculata, d'Arc. (LITHODOMUS), M. G. S. F. vol. ii, p. 189.
trapezoidalis, Roem. Sp. (**Crassatella**), d'Orb. Prod. 240. G. *C.*
tricarinata, Roem. Sp. (**Crassatella**), d'Orb. Prod. 240. G. *C.*
undulata, Forbes (MODIOLA), Q. J. G. S. vol. i, 242, 3, 1.

CYPRINA, Lam. 1801.

angulata, Sow. M. Con. pl. 65. E. *U. G.*
angulata, Sow. (Sowerbyi), G. T. vol. iv, p. 128. *not M. Con.*
Archiaciana, d'Orb. Prod. 161. G. *U. G.*
arenarea, M. & H. 1857, Proc. Acad. p. 143. Neb. *C.*
Bernensis, d'Arc. (rostrata), M. G. S. F. vol. v, 5, 5, 6.
Bosquetiana, d'Orb. Prod. 239. G. *C.*
Carteroni, d'Orb. Prod. 78. Fr. *N.*
compressa, M. & H. 1857, Proc. Acad. p. 144. Neb. *C.*
Conradi, Morton, Sp. (VENILIA), d'Orb. Prod. 239.
consobrina, d'Orb. P. F. 107, 278, 3–6. Fr. *C.*
cordata, Sharpe, Q. J. G. S. vol. 182, 15, 2. Portugal. *C.*
cordata, M. & H. (GLOSSUS), 1857, Proc. Acad. 143.
cordiformis, d'Orb. P. F. 101, 273. Fr. *G.*

cuneata, Sow. G. T. vol. iv, pl. 16, f. 19. E. *U. G.*
elongata, d'Orb. P. F. 106, 277, 5–6. Fr. *C.*
Ervyensis, Leym. M. G. S. F. vol. v, 5, 4, 6. F., G. *G.*
globosa, Sharpe, *not d' Orb.* (Sharpeana), Q. J. G. S. vol. vi, 182, 15, 1.
humilis, M. & H. 1860, Proc. Acad. p. 179. Neb. *C.*
inornata, d'Orb. P. F. 99, 272, 1–2. Fr. *L. G.*
intermedia, d'Orb. P. F. 107, 278, 1–2. Fr. *C.*
lata, Roem. Sp. (**Venus**), d'Orb. Prod. 239. G. *C.*
Ligeriensis, d'Orb. pars. P. F. 103, 275, exclus. 4, 5. Fr. *U. G.*
Ligeriensis, d'Orb. pars. (Noueliana), P. F. 103, 275, 4, 5.
Neptuni, d'Orb. Prod. 161. Fr. *U. G.*
Noueliana, d'Orb. Prod. 195. Fr., G. *C.*
oblonga, d'Orb. P. F. 105, 277, 1–4. Fr., G. *U. G.*
oblonga, Reuss (CRASSATELLA), Böhm. Kreid. 4, 40, 15.
ovata, M. & H. 1857, Proc. Acad. p. 144. Nebraska. *C.*
Provincialis, d'Orb. Prod. 239. Fr. *C.*
quadrata, d'Orb. P. F. 104, 276. Fr. *U. G.*
regularis, d'Orb. P. F. 100, 272, 3–7. Fr., G. *G.*
Rhodani, P. & R. Env. Genèv. 445, 34, 2. Fr. *G.*
rostrata, Sow. G. T. vol. iv, pl. 17, f. 1. E., Fr. *U. G.*
rostrata, d'Orb. *not Sow.* (Bernensis), P. F. 98, 271.
Royana, d'Orb. Prod. 239. Fr. *C.*
securiformis, Sharpe, Q. J. G. S. vol. vi, 182, 22, 1–3. Portugal. "*Lower Cret.*"
Sowerbyi, d'Orb. Prod. 78. E. *N.*
Sharpeana, Gabb (*globosa*, Sharpe, *not d' Orb.*), 1861. Portugal. *C.*
subtumida, M. & H. 1857, Proc. Acad. p. 144. Neb. *C.*
triangularis, Brown (*cuneata var. Sow.*), Foss. Conch. G. B. 207, 83, 2. E. *U. G.*

Cytherea, Lam. 1801 (MERETRIX, Lam. 1799).

Deweyi, M. & H. (MERETRIX), 1856, Proc. Acad. p. 83.
excavata, Morton (DOSINIA), Synopsis, 67, 5, 1.
jucunda, Dujard. (MERETRIX), M. G. S. F. vol. ii, 228, 15, 6.
lineolata, Sow. (MERETRIX), M. Con. 20.
Herzogii, Hausm. (ASTARTE), Gotting. Gelehrte Ang. 1837, p. 146.
Leonensis, Con. (MERETRIX), Emory's Rep. 153, 6, 1.
Lamarensis, Shum. (MERETRIX), Trans. Acad. St. Louis, 1860, p. 600.

Missouriana, Morton (MERETRIX), 1842, Jour. Acad. 1st s. vol. viii, p. 210, 11, 2.
Nebrascensis, M. & H. (MERETRIX), 1856, Proc. Acad. p. 83.
orbiculata, H. & M. (MERETRIX), M. Acad. Boston, 2d s. vol. v, 382, 1–7.
Owenana, M. & H. (MERETRIX), 1856, Proc. Acad. 273.
pellucida, M. & H. (MERETRIX), 1856, Proc. Acad. 272.
subrotunda, Sow. (MERETRIX), G. T. vol. iv, pl. 22, f. 2.
tenuis, H. & M. (MERETRIX), Mem. Acad. Bost. 2d s. vol. v, 383, 1–8.
Texana, Con. (MERETRIX), Emory's Rep. 153, 6, 2.
uniformis, Duj. (MERETRIX), M. G. S. F. vol. ii, 223, 15, 5.

Dione, Gray, 1840 (CALLISTA, Poli, 1791).

Delawarensis, Gabb (CALLISTA), Jour. Acad. 2d s. vol. iv, 302, 48, 18.

DIPLODONTA, Brown, 1831.

gibbosa, Gabb, Sp. (**Mysia**), 1861. N. J. *C.*
parilis, Con. Sp. (**Mysia**), Gabb, 1861. Ala., Miss. *C.*

DONACILLA, Lam. 1812.

compressa, d'Orb. P. F. 402, 376, 3–4. Fr. *U. G.*
Couloni, Agas. Sp. (**Mactromya**), d'Orb. P. F. 401, 376, 1–2. Fr. *N.*

Donax, Lam. 1758.

deltoideus, Roem. (NUCULA), Nord. Kreid. 73, 9, 17.
subradiatus, Roem. (TELLINA), id. 73, 9, 16.

DOSINIA, Scopoli, 1777 (**Artemis**, Poli, 1791).

cordata, Sharpe, Sp. (**Artemis**), Gabb, 1861. Portugal. *"Lower Cret."*
densata, Con. Sp. (**Tellina**), Gabb, 1861. N. J. *C.*
densata, Con. (excavata), Jour. Acad. 2d s. vol. iii, 325, 34, 13.
depressa, Con. Jour. Acad. 2d s. vol. iv, 278, 46, 6. N. J., Ala., Miss. *C.*
? elegantula, Sharpe, Sp. (**Artemis**), Gabb, 1861. Portugal. *C.*
excavata, Morton, Sp. (**Cytherea**), Con. Jour. Acad. 2d s. vol. i, pl. 24.

inelegans, Sharpe, Sp. (**Artemis**), Gabb, 1861. Port. "*Lower Cret.*"
lenticularis, Goldf. Sp. (**Lucina**), Gabb, 1861. G. *C.*
obliquata, Con. Jour. Acad. 2d s. vol. iv, 278, 46, 2. Ala., Miss. *C.*

DIANCHORA, J. Sow. 1814.

lata, Sow. (SPONDYLUS), M. Con. pl. 80.
obliqua, Mant. Geol. Suss. 206, 25, 1. E. *C.*
spinosa, Woodw. (SPONDYLUS fimbriatus), Geol. Norf. 48, 5, 24.

DICERAS, Lam. 1804.

Favri, Sharpe, Q. J. G. S. vol. vi, 183, 15, 3, and 20, 9. Port. *C.*
Gaultina, P. & R. Env. Genèv. 493, 41, 1. Fr. *G.*
guttata, Sharpe, Q. J. G. S. vol. x, 197, 6, 4. E. *L. G.*
Lonsdalei, Sow. (CAPROTINA), G. T. vol. iv, pl. 13, f. 4.

DREISSENA, Van Benden, 1835.

Tippana, Con. Jour. Acad. 2d s. vol. iii, 328, 34, 14. Miss. *C.*

EXOGYRA, Say. 1819* (**Ostrea**, *pars.* Auct.)

aquila, Brong. Sp. (**Gryphaea**), Goldf. P. G. 36, 87, 3. E., Fr., G., Crimea. *G., U. G.*
Arduennensis, d'Orb. S. P. (**Ostrea**), Gabb, 1861. G., Fr. *G.*
arietina, Roem. Kreid. Tex. 68, 8, 10. Texas. *C.*
auricularis, Goldf. P. Germ. 39, 88, 2. G., Crimea? *C.*

* In retaining the generic division, Exogyra, I do not know that I can give a better explanation than that given by Leymerie, in the fourth volume of the Memoirs of the Geological Society of France. I shall therefore quote his note at length.

"Malgré l'avis plusieurs fois exprimé des conchyliologistes nous pensons qu'il est indispensable, au moins pour les besoins de la géognosie, de conserver les *Exogyres*, si ce n'est comme genre, au moins comme coupe très naturelle. Le caractère d'avoir constamment le crochet plus ou moins spirale, régulier et porté tout d'un côté sur la valve inferieure, nous paraît du reste légitimer suffisamment cette séparation, et jè pourrais citer beaucoup de generes établis sur des différences, certes, bien moins importantes.

"Personne peut-être n'a plus vu et manié d'Exogyres que moi. Des circonstances favorables m'ont permis d'etudier des gîtes ou diverses espèces se trouvaient en nombre immense, offrant toutes les variétés possibles d'age et de forme, et jamais je n'ai vu un seule de ces ostracées passer aux véritables huitres. D'un

Boussingaultii, d'Orb. Am. Merid. 91, 18, 20. E., Fr., G., N. Grenada. *N.*
bulla, Sow. G. T. vol. iv, pl. 2, f. 1. E. *Weald.*
canaliculata, Sow. Sp. (**Chama**), Gabb, 1861. G., Fr., Sw., E. *G., C.*
caprina, Con. (Arietina), Jour. Acad. 2d s. vol. ii, 273, 24, 3–4.
columba, Lam. Sp. (**Gryphaea**), Goldf. P. G. 34, 86, 9. E., Fr., G., Crimea, Portugal. *U. G.*
conica, Sow. Sp. (**Chama**), Goldf. P. G. pl. 87, f. 1. Eng., Portugal, Sweden, Germany, Ireland, France. *U. G.*
Couloni, Defr. Sp. (**Gryphaea**), d'Orb. Am. Merid. 93. Fr., G., Cr., N. Gren. *N.*
costata, Say. 1821, Jour. Acad. 1st ser. vol. ii, p. 43. All of the United States except the Northwest. *C.*
decussata, Goldf. (inflata), P. G. pl. 86, f. 11.
densata, Con. Lynch's Exped. 224, 18, f. 102 and 106. Syria. *C.*
flabellata, Goldf. (plicata), P. G. 38, 87, 6.
fimbriata, Con. Proc. Acad. 1855, p. 269. Texas. *C.*
foliacea, Con. *per err.* (fimbriata), Emory's Rep. pl. 7, f. 2.
fragosa, Con. 1855, Proc. Acad. p. 269. Texas. *C.*
harpa, Goldf. (plicata), P. G. 38, 87, 7.
harpa, Leym. Roem. pars. *not Goldf.* (plicata).
inflata, Goldf. P. G. 121, 114, 8. G., India. *C.*
haliotoidea, Sow. Sp. (**Chama**), Goldf. pl. 88, f. 1. E., G., Sw., Crimea. *C., U. G.*
imbricata, Krauss. Nov. Act. C. L. C. vol. xx, 460, 50, 2. S. Africa. *U. G.*
interrupta, Con. Jour. Acad. 2d s. vol. iii, 330, 34, 15. Miss. *C.*
laciniata, Nils. Sp. (**Chama**), Goldf. 35, 86, 12. Fr., G., Sw. *C.*
laevigata, Sow. (conica), M. Con. 605.

autre côté, si ces dernièrs offrent parfois et accidentellement un crochet tourné extérieurement, c'est là une disposition purement accidentelle et facile d'ailleurs à distinguer, par sa variabilité et son irrégularité, de celle si régulière, et si fondamentale qui caractérize les Exogyres."

My own observation, true it has been on a much more limited scale than that claimed above, accords with this in all but one individual instance. Morton's type of *Ostrea torosa* is an *E. costata*, very much deformed and with almost parallel sides,—a true oyster in form, but the beak is imperfect, and were it present, it might in its young state have shown a spiral tendency. There can be no doubt of its being the common species of Exogyra of New Jersey, since it has the most typical form of surface-markings and all the other characters. It is an unique example, and being a monstrosity, can have no weight as testimony to conflict with M. Leymerie's opinion.

laeviuscula, Roem. Kreid. Tex. 70, 9, 3. Texas. *C.*
lateralis, Nils. Sp. (**Ostrea**), Dub. Bull. G. S. F. vol. viii, 385. E., G., Fr., Sw., N. J. *C.*
Matheroniana, d'Orb. Sp. (plicata), Con. Emory's Rep. 154, 8, 11.
Olisiponensis, Sharpe, Q. J. G. S. vol. vi, 185, 119, 1–2. Portugal. *C.*
planospiritis, Goldf. (haliotoidea), Petr. G. 39, 88, 3.
parvula, Leym. (lateralis), M. G. S. F. vol. v, 17, 12, 8–9.
plicata, Lam. Sp. (**Ostrea**), Goldf. 37, 87, 5. G., Fr., Texas, India, Chili, Spain, Syria. *U. G.*, *C.*
Pyrenaica, Leym. M. G. S. F. 2d s. vol. iv, 124, pl. B, f. 4–6. Fr. *C.*
polygona, Von Buch. Petr. Rec. par Humb. 5, 2, 18–19. N. Gren. *N.*
Rauliniana, d'Orb. Sp. (**Ostrea**), Gabb, 1861. E., Fr., G. *C.*
spinosa, Math. *not Roem.* (plicata), Cat. 192, 32, 6–7.
sinuata, Sow. Sp. Roem. (aquila), Nord. Kreid. p. 47, no. 2.
spiralis Roem. *not Lam.* (Tombeckiana), Ool. p. 65.
squamata, d'Orb. Am. Merid. 92, 19, 12–15. N. Gren. *N.*
subcarinata, Roem. *not Munst.* (aquila), Kreid. 47, no. 3.
subcarinata, Munst. (conica), Goldf. P. G. 37, 82, 4.
subplicata, Roem. *not O. subplicata, Desh.* (plicata), Ool. Nach. pl. 18, f. 7.
subsinuata, Leym. (Couloni), M. G. S. F. vol. v, 17, 6, 7.
Texana, Roem. (plicata), Kreid. Tex. 69, 10, 1.
Tombeckiana, d'Orb. Sp. (**Ostrea**), P. F. 701, 467, 4–6. G., Fr. *N.*
undata, Sow. (laciniata), M. Con. 605.
undata, Roem. (Tombeckiana), Nord. Kreid. p. 47.

Fistulana, Brug. 1789 (GASTROCHAENA, Spengl. 1783).

aspergilloides, Forbes (GASTROCHAENA), G. T. vol. vii, 139, 17, 2.
constricta, Roem. (PHOLAS ROEMERI), Nord. Kreid. 76, 10, 11.
dilatata, Desh. Sp. (GASTROCHAENA), d'Orb. P. F. 394, 357, 1–4.
Marticensis, Math. (GASTROCHAENA), Catal. 132, 10, 4.
dilatata, Reuss (Marticensis), B. Kreid. 39, f. 9.
Matronensis, d'Orb. (GASTROCHAENA), P. F. 395, 375, 5–8.
pyriformis, Mant. (GASTROCHAENA), Geol. Suss. p. 76.
pistilliformis, Reuss (LITHODOMUS), Böhm. Kreid. 20, 37, 7–8.
Royanensis, d'Orb. (GASTROCHAENA), P. F. 377, 371, 5–6.
tenuis, Reuss (GASTROCHAENA), Böhm. Kreid. 19, 33, 12, 13.

GARI, Schum. 1817 (**Psammobia**, Lam. 1818).

cancellato-sculpta, Roem. Sp. (P.), Gabb, 1861. Tex. *C.*
gracilis, Sow. Sp. (P.), Gabb, 1861. E. *U. G.*
inconspicua, Sow. Sp. (P.), Gabb, 1861. India. *C.*
inaequalis, Sow. Sp. (**Tellina**), Gabb, 1861. G. *U. G.*
tellinoides, Sow. Sp. (P.), Gabb, 1861. E. *Weald.*

GASTROCHAENA, Spengl. 1783 (**Fistulana**, Brug 1789).

Americana, Gabb, Jour. Acad. 2d s. vol. iv, 393, 68, 20. N. J., Ala. *C.*
aspergilloides, Forbes, Sp. (**Fistulana**), d'Orb. Prod. 235. India. *C.*
dilatata, Desh. M. G. S. F. vol. v, pl. 3, f. 1. Fr. *L. G., N.*
Marticensis, Math. Sp. (**Fistulana**), d'Orb. Prod. 194. Fr. *C.*
Matronensis, d'Orb. " Prod. 117. Fr. *L. G.*
pyriformis, Mant. Sp. " Gabb, 1861. E. *G.*
Royanensis, d'Orb. " Prod. 235 (*Royana per err.*). Fr. *C.*
tenuis, Reuss, Sp. " d'Orb. Prod. 235. G. *C.*

GERVILLIA, Defr. 1820.

alaeformis, Sow. Sp. (MODIOLA), d'Orb. P. F. 484, 395. Fr., E. *L. G., N.*
Alpina, P. & R. Env. Genèv. 496, 41, 3. Fr. *G.*
anceps, Desh. M. G. S. F. vol. v, 1st s. pl. 10, f. 3. E., Fr., G., Port., N. Gren. *L. G., N.*
aviculoides, Sow. (anceps), M. Con. 511.
aviculoides, d'Orb. *not Sow.* (solenoides), P. F. 489, 397.
dentata, Krauss, Nov. Act. E. L. C. vol. 20, 458, 50, 1. S. Africa. *U. G.?*
difficilis, d'Orb. P. F. 487, 396, 7–8. Fr. *G.*
enigma, d'Orb. P. F. 488, 396, 9–11. Fr. *U. G.*
ensiformis, Con. Jour. Acad. 2d s. vol. iii, 328, 34, 10. N. J., Ala. *C.*
Fittonii, Sharpe, Q. J. G. S. vol. vi, 183, 23, 3–6. Portugal. *"Lower Cret."*
Forbesianus, d'Orb. P. F. 486, 396, 5–6. E., Fr. *L. G.*
gregaria, Shumard, Trans. Acad. St. Louis, 1860, p. 606. Texas. *C.*

linguloides, Forbes, Q. J. G. S. vol. i, 246, 3, 9. E., Fr. *L. G.*
Reichii, Roem. (AVICULA), Nord. Kreid. 64, 8, 14.
Renauxiana, Math. Cat. pl. 25, f. 1–3. Fr. *U. G.*
Sobralensis, Sharpe, Q. J. G. S. vol. vi, 186, 23, 1–2. Port. *"L. Cret."*
solenoides, Defr. Dict. Sc. Nat. vol. xviii, p. 503, f. 4. E., Fr., G., Cr. *C., U. G.*
solenoides, Sow. *not Defr.* (Forbesianus), M. Con. 510.
subaviculoides, d'Orb. Prod. 168 (*aviculoides, per err.*). Fr. *U. G.*
triloba, Roem. (CTENOIDES), Nord. Kreid. 64, 8, 13.
subtortuosa, M. & H. Proc. Acad. 1856, p. 276. Neb. *C.*

GLYCIMERIS, Lam. 1801.

decisa, Con. Sp. (**Panopaea**), Gabb, 1859, Cat. Cret. p. 12. N. J., Del. *C.*

GLOSSUS, Poli, 1795 (**Isocardia**, Lam. 1799, **Bucardia**, List, 1678).*

angulatus, Phil. (**Isocardia**), Gabb, 1861. E. *L. G.*
Carantonensis, d'Orb. Sp. (**Isocardia**), Gabb, 1861, Fr. *U. G.*
cordata, M. & H. Sp. (**Cyprina**), Gabb, 1861. Neb. *C.*
crassicornis, Ag. Sp. (**Ceromya**), " " G. *G.*
cretacea, Goldf. Sp. (**Isocardia**), " " G., Port. *C.*
cryptoceras, d'Orb. Sp. " " " Fr. *U. G.*
longirostris, Roem. Sp. " " " G. *C.*
modiola, Nils. Sp. (**Cardita**), " " G., Sw. *C.*
? Moreauensis, M. & H. Sp. (**Cyprina**), Gabb, 1861. Neb. *C.*
Neocomensis, Agas. Sp. (**Ceromya**), " " Fr. *N.*
obliqua, d'Orb. Sp. (**Isocardia**), " " Fr. *U. G.*
praelonga, Leym. Sp. " " " Fr.
pygmaea, Reuss, Sp. " " " G. *C.*
Pyrenaica, d'Orb. Sp. " " " Fr. *C.*
Renauxiana, d'Orb. Sp. " " " Fr. *C.*
semiradiata, d'Orb. Sp. " " " Fr. *U. G.*
similis, Sow. Sp. " " " E. *U. G.*
sublunulata, d'Orb. Sp. " " " Fr. *C.*
subsinuata, Forbes, Sp. " " " India. *C.*

* See note under Bucardia.

trigona, Roem. Sp. (**Isocardia**),	Gabb,	1861.		G.	*C.*
Washita, Marcou, Sp.	"	"	"	Texas.	*C.*
Conradi, Gabb,	"	"	"	Ala., N. J.	*C.*

Goniomya, Agas. 1838.

caudata, Ag. (PHOLADOMYA Agassizii), Etud. Crit. pl. 1, f. 1.
laevis, Ag. (PHOLADOMYA), id. pl. 1, f. 4–5.
Americana, M. & H. (PHOLADOMYA), 1856, Proc. Acad. p. 8.

GRYPHAEA, Lam. 1801.

aquila, Brong. (EXOGYRA), Env. de Paris, pl. 9, f. 11.
auricularis, Wahl. Sp. (E. haliotoidea), Desh. Ed. Lam. vol. vi, p. 207.
capuloides, Con. Lynch's Exped. 224, 18, 103, 104. Syria. *C.*
carinata, Lk. (E. plicatà), 1802, Syst. Nat. p. 399.
columba, Lam. (EXOGYRA), An. S. Vert. vol. vi, p. 198.
conica, Sow. (EXOGYRA), Desh. Ed. Lam. vol. vii, 210.
convexa, Say, Sp. (E. vesicularis), Morton, Syn. 53, 4, 1–2.
Couloni, Defr. (EXOGYRA), Dict. Sc. Nat. vol. xix, p. 534.
Dumerillii, Defr. (E. Coulonii), D. Sc. Nat. vol. xix, 535.
elongata, Sow. (vesicularis), G. T. 2d s. vol. iii, pl. 38, f. 6.
expansa, Sow. (vesicularis), id. 38, f. 5.
globosa, Sow. (vesicularis), M. Con. 392.
haliotoidea, Sow. Sp. (EXOGYRA), Brown, Foss. Conch. G. B. p. 149.
harpa, Forbes, *not Goldf.* (E. Boussingaultii), Q. J. G. S. vol. i, 250, 3, 12.
laciniata, Nilss. Sp. (EXOGYRA), Desh. Ed. Lam. vol. vii, p. 209.
mutabilis, Morton (vesicularis), Syn. 53, 4, 3.
orientalis, Forbes (E. inflata), G. T. vol. vii, 156, 14, 6.
latissima, Lam. (E. aquila), An. S. Vert. vol. vi, 199.
Pitcherii, Morton, Syn. 55, 15, 9. Texas, Nebraska, Ark., Missouri, Ind. Terr., N. Mex. *C.*
planospiritis, Goldf. Sp. (E. haliotoidea), Desh. Ed. Lam. vol. vii, 208.
plicata, Lam. pars, *not Sow. not Desh.* (EXOGYRA), An. S. Vert. vol. vi, 199.
plicata, Lam. pars. (E. Columba), An. S. Vert. vol. vi, 198.
plicatella, Morton (E. lateralis), Silliman's Journal.
similis, Pusch. (E. lateralis), Polens. Pal. 34, 4, 12.

sinuata, Sow. *not Lam.* (E. aquila), M. Con. 333.
sinuata, Marcou, *not Sow. not Lam.* (E. costata, *var ponderosa*), Geol. N. A. 37, 3, 1.*
segunda, Lam. (E. conica), An. S. Vert. vol. vi, 199.
† *dilatata* var. *Tucumcarii*, Marcou (Pitcherii), Geol. N. A. 43, 4, 1.
staumaloidea, Forbes (E. inflata), G. T. vol. vii, 156, 17, 15.
vesicularis, Lam. Sp. (**Ostrea**), Brown, Leth. Geog. pl. 32, 1. Everywhere. *C.*
vesiculosa, Sow. (vesicularis), M. Con. 369.
vomer, Morton (E. lateralis), Synopsis, 54, 9, 5.

HETTANGIA.

Americana, M. & H. (TANCREDIA), 1856, Proc. Acad. p. 274.

HINNITES, Defr. 1821.

Leymerii, Desh. M. G. S. F. vol. v, 27, 14, 1. Fr. *N.*
Favrinus, P. & R. Env. Genêv. 503, 43, 2, pl. 44. Fr. *G.*
Studeri, P. & R. id. 504, 45, 1. Fr. *G.*

Homomya, Agas. 1842.

alta, Roem. (PHOLADOMYA), Kreid. Tex. 45, 6, 11.

INOCERAMUS, Pork. 1811 (**Catillus**, Brong. 1822).

alatus, Goldf. P. Germ. 116, 112, 3. G. *C.*
alveatus, Morton, Syn. 63, 17, 4. Ala. *C.*
angulatus, d'Orb. P. F. 515, 408, 3, 4. Fr. *U. G.*
annulatus, Goldf. P. Germ. pl. 110, f. 7. G., Fr. *C.*
aratus, Con. Lynch's Exped. 226, 19, 113. Syria. *C.*
argenteus, Con. Jour. Acad. 2d s. vol. iii, 329, 34, 16. Miss. *C.*
aviculoides, M. & H. Proc. Acad. 181. Nebraska. *C.*

* Prof. Marcou appears vexed that American Palaeontologists refuse to follow him, in his obviously incorrect determination of the species, in the work quoted above. If we acknowledge the above species to be *sinuata*, then *E. costata* is only a variety of the same species, for I have seen every intermediate form between this and the closely costate variety.

† For remarks on *G. Tucumcarii*, see Proc. Acad. Nat. Sci. for December, 1860. It is incorrectly referred to the Jurassic by Prof. Marcou.

Barabini, Morton, pars. Syn. 62, 13, 11 (*exclus.* 17, 3). Missouri, N. J.?* *C.*
Barabini, M. pars (problematicus?), 62, 63, pl. 17, f. 3.
Balchii, M. & H. Proc. Acad. 1860, p. 180. Neb. *C.*
Brongniartii, Mant. (Lamarckii), Geol. Suss. 214, 27, 8.
cancellatus, Goldf. P. Germ. 113, 110, 4. G. *C.*
Canadensis, Meek. Assin. Exped. 183, 1, 40. Canada. *C.*
capulus, Shum. Trans. Acad. St. Louis, 1860, p. 606. Texas. *C.*
cardissioides, Goldf. P. G. 112, 110, 2. G. *U. G.*
concentricus, Park. G. T. 1st ser. vol. v, 58, 1, 4. E., Fr. *G.*
confertim-annulatus, Roem. Kreid. Tex. 59, 7, 4. Texas. *C.*
Conradi, H. & M. Mem. Acad. Boston, 2d s. vol. v, 387, 2, 5. Neb. *C.*
convexus, H. & M. id. 386, 2, 2. Neb. *C.*
Coquandianus, d'Orb. P. F. 505, 403, 6–8. Fr. *G.*
cordiformis, Sow. (striatus), M. Con. 440.
cordiformis, Goldf. *not Sow.* (latus), Petr. 113, 110, 6.
costellatus, Con. Jour. Acad. 2d s. vol. iii, 329, 34, 12. Miss. *C.*
Crispii, Mant. Geol. Suss. 133, 27, 11. E., Fr., Texas. *C.*
Crispii, Goldf. *not Mant.* (regularis), 116, 112, 4, a, b, c, (*exclus. d.*)
Crispii, Goldf. *not Mant.* (Goldfussianus), Petr. 116, 112, 4 d.
cuneatus, M. & H. Proc. Acad. 1860, p. 181. Neb. *C.*
cuneiformis, d'Orb. P. F. 512, 407. Fr. *C.*
Cuvieri, Mant. (Lamarckii), Geol. Suss. pl. 27, f. 4.
Decheni, Roem. Nord. Kreid. 60, 8, 10. G. *U. G.*
expansus, Baily, Q. J. G. S. vol. xi, 462, 13, 5. S. Africa. *U. G.*
fragilis, H. & M. Mem. Acad. Boston, 2d s. vol. v, 386, 2, 6. Neb. *C.*
†gibbus, Tuomey, 1855, Proc. Acad. p. 170. Miss. *C.*
Goldfussianus, d'Orb. P. F. 517, 4–11. Fr., G. *C.*
gryphaeoides, Sow. (concentricus), M. Con. 584.

* I have never (except in the "Ripley group," which has a mineral character very much like the Speeton clay of England) seen but one or two fragments of Inocerami from New Jersey, where there are whole beds composed of shells. One very much mutilated fragment I have referred, doubtfully, to this species. It is a curious fact that there should be such a scarcity, even of individuals, when beds of the same age in other parts of the United States teem with them.

† Tuomey says that this species is the same as the form of I. Barabini, which I refer above to I. problematicus? It may possibly be distinct, but I am not prepared to express an opinion, having seen only the one specimen of Morton's, which is a fragment.

impressus, d'Orb. P. F. 515, 409. Fr. *C.*
incurvus, M. & H. 1856, Proc. Acad. 277. Neb. *C.*
inflatus, Tuomey, 1855, Proc. Acad. p. 171. Ala. *C.*
involutus, Sow. M. Con. 583. E., Fr. *C.*
Lamarckii, Brong. Env. Par. 338. E., Fr., G., Sw., Crimea. *C.*
Lamarckii, Mant. *not Brong.* (striatus), pl. 27, f. 1.
latus, Mant. Geol. Suss. 216, 27, 10. E., Fr., G., Texas.* *C.*
Lerouxii, Marcou, Geol. N. A. 36, 2, 3. Texas. *C.*
lingua, Goldf. Petr. 113, 110, 5. G. *C.*
lobatus, Goldf. id. 110, 3. G. *C.*
Mortoni, M. & H. 1860, Proc. Acad. 428. Neb. *C.*
mytiloides, Mant. (problematicus), Geol. Suss. pl. 28, f. 2.
mytiloides, Roem. *not Mant.* (mytilopsis), Kreid. Tex. 60, 7, 5.
mytilopsis, Con. Emory's Rep. 153, 5, 6. Texas. *C.*
Nebrascensis, Owen, Rep. J. W. & M. 582, pl. 8, a, f. 1. Neb. *C.*
Neocomensis, d'Orb P. F. 503, 403, 1–2. Fr. *N.*
orbicularis, Munst. in Goldf. P. G. 117, 113, 2. G. *C.*
perovalis, Con. 1852, Proc. Acad. p. 200. Ala. *C.*
pertenuis, M. & H. 1856, Proc. Acad. p. 276. Neb. *C.*
pertenuis, var. *subdepressus*, M. & H. 1860, Proc. Acad. p. 427. Neb. *C.*
pernoides, Math. (striatus), Catal. pl. 25, f. 5.
pictus, Sow. (striatus), M. Con. 604.
planus, Munst. in Goldf. 117, 133, 1. Fr., G. *C.*
plicatus, d'Orb. Coq. Foss. Col. 56, 3, 19. N. Grenada. *N.*
problematicus, Schlot. Sp. (**Mytilus**), d'Orb. P. F. 510, 406. Fr., G., E., Western United States. *C.*
propinquus, Goldf. P. Germ. 112, 109, 9. G., E. *C.*
proximus, Tuomey, 1855, Proc. Acad. p. 171. Ala. *C.*
pseudo-mytiloides, Schiel. 1855, Pacific R. R. Rep. vol. ii, 108, 3, 8. Neb. *C.*
regularis, d'Orb. P. F. 516, 410. Fr. *C*
Sagensis, Owen, Rep. J. W. & M. 582, 7, 3. Neb. *C.*

* This species, together with *I. problematicus* and several other of the lower chalk species, appear to be common to Europe, and the United States west of the Mississippi; and I am inclined to think that the divisions Nos. 1 and 2, and a part or perhaps the whole of No. 3 of Meek and Hayden's section in Nebraska, and some of the lower beds of Texas, may be found to be of the same age as the lower chalk of England, the *Turonien* of d'Orbigny. The beds of New Jersey (except perhaps the leaf bed which appears to correspond to No. 1), and of the Southern States east of the Mississippi, are all above No. 3, while in Texas, Arkansas, and Indian Territory, the lower deposits are found.

salaebrosus, Tuomey, 1855, Proc. Acad. 171. Ala. *C.*
Salomoni, d'Orb. Prod. 139. Fr., G. *G.*
siliqua, Math. Cat. 174, 25, 6. Fr. *C.*
striatus, Mant. Geol. Suss. 217, 28, 5. E., Fr., G., Texas. *C.*
subcompressus, M. & H. 1860, Proc. Acad. 181. Neb. *C.*
sublaevis, H. & M. Mem. Acad. Boston, vol. v, 386, 2, 1. Neb. *C.*
sulcatus, Park. G. T. 1st s. vol. v, 59, 1, 5. E., G., Fr., Sw. *U. G.*, *G.*
Roemeri, Karst. Geog. Verhalt. Neu. Gren. pl. 5, f. 6. N. Grenada. *N.*
tenuilineatus, H. & M. Mem. Acad. Boston, 387, 2, 3. Neb. *C.*
tenuis, Mant. Geol. Suss. 132. E. *G.*
triangularis, Tuomey, 1855, Proc. Acad. p. 171. Ala. *C.*
undulato-plicatus, Roem. Kreid. Tex. 59, 7, 1. Texas. *C.*
undulatus, Mant. (striatus), G. Suss. 217, 27, 6.
Vanuxemensis, Shumard, Trans. Acad. St. Louis, vol. i, p. 123. Neb. *C.*
Vanuxemii, M. & H. Proc. Acad. p. 180 (1860). Neb. *C.*
Texanus, Con. Emory's Rep. 152, 5, 7. Texas. *C.*
ventricosus, M. & H. *not Sow.* (pertenuis), 1856, Proc. Acad. p. 56.
Websteri, Mant. Geol. Suss. 216, 27, 21. E. *C.*

ISOARCA, Munst. 1842.

Agassizii, P. & R. Env. Genèv. 466, 38, 3. Fr. *G.*
Alpina, d'Orb. Prod. 79. Fr. *N.*
costata, d'Orb. Prod. 138. Fr. *G.*
globulosa, d'Orb. Prod. 106. Fr. *N.*
obesa, d'Orb. (**Nucula**), Prod. 163. Fr., G. *U. G.*
supracretacea, d'Orb. Prod. 243. Fr. *C.*

Isocardia, Lam. 1799 (GLOSSUS, Poli, 1795*).

angulata, Phil. (G.), Geol. York, 94, 2, 20, 21.
Ataxensis, d'Orb. (longirostris), P. F. 47, 251, 3–6.
Carantonensis, d'Orb. (G.), P. F. 48, 252, 1–4.
Conradi, Gabb (G.), Jour. Acad. 2d s. vol. iv, 393, 68, 21.
crassicornis, Ag. Sp. (G.), d'Orb. Prod. 137.
crassicornis, Ag. Sp. *pars* (ISOARCA Agassizii), id. 137.
cretacea, Goldf. (G.), P. Germ. pl. 141, f. 1.

* See note under **Bucardia**.

cryptoceras, d'Orb. (G.), P. F. 48, 252, 5, 7.
longirostris, Roem. (G.), Nord. Kreid. 70, 9, 6.
lunulata, Roem. *not Nyst.* (sublunulata), Nord. Kreid. 70, 9, 5.
modiola, Nils. Sp. (G.), d'Orb. Prod. 242.
Neocomensis, Ag. Sp. (G.), d'Orb. P. F. 44, 250, 9–11.
obliqua, d'Orb. (G.), Prod. 163.
Orbignyana, d'Arc. (ISOARCA obesa), M. G. S. F. 1847, pl. 15, f. 1.
ornata, Forbes (OPIS), Q. J. G. S. vol. i, 242, 2, 10.
praelonga, Leym. (G.), M. G. S. F. 2d s. vol. v, 6, 8, 3.
pygmaea, Reuss (G.), Böhm. Kreid. 2, 35, 14.
Pyrenaica, d'Orb. (G.), P. F. 46, 251, 1, 2.
Renauxiana, d'Orb. (G.), Prod. 196.
semiradiata, d'Orb. (G.), Prod. 163.
similis, Sow. (G.), M. Con. 516.
sublunulata, d'Orb. (G.), Prod. 242.
subsinuata, Forbes (G.), G. T. vol. vii, 146, 17, 12.
trigona, Roem. (G.), Nord. Kreid. 70, 9, 7.
turgida, Reuss (cretacea), Böhm. Kreid. pl. 40, f. 16.
Washita, Marcou (G.), Geol. N. A. 37, 3, 2.

Janira, d'Orb. *not Schum.* 1817* (NEITHEA, Drouet, 1821).

aequicostata, Lam. Sp. (N.), d'Orb. P. F. 637, 445, 1–4.
alata, Von. Buch. Sp. (N.), d'Orb. Prod. 107.
Albensis, d'Orb. (N.), Prod. 139.
Alpina, d'Orb. (N.), P. F. 643, 446, 4–8.
Atava, Roem. Sp. (N.), d'Orb. P. F. 647, 442, 1, 3, 5.
Carantonensis, d'Orb. (N.), Prod. 170.
cometa, d'Orb. (N.), P. F. 642, 446, 1–3.
craticula, Morton, Sp. (PECTEN), d'Orb. Prod. 253.
decemcostata, d'Orb. (N.), P. F. 669, 449, 1–4.
Deshayesiana, Math. Sp. (N.), d'Orb. P. F. 626, 441.
digitalis, Roem. Sp. (N.), d'Orb. P. F. 642, 446, 1–3.
dilatata, d'Orb. (N.), P. F. 638, 445, 5–8.
Dufrenoyi, d'Orb. (N.), Prod. 107.

* The cretaceous species referred by d'Orbigny and others to the genus *Janira*, are certainly generically different from the type *Pecten maximus*. They form a group to which Drouet gave the name *Neithea*. They have the following distinguishing characters, and appear to be peculiar to the cretaceous formation: the lower valve convex, upper valve flat or more generally concave, and with about six large ribs and several smaller intermediate ones. The large ribs give the outline a somewhat angular form; this last character is never seen in *Janira*.

Dutemplei, d'Orb. (N.), P. F. 646, 447, 8–11.
Faucignyana, P. & R. (N.), Env. Genèv. 505, 45, 2.
Fleuriausiana, d'Orb. (N.), P. F. 631, 443.
Fontanieri, d'Orb. (N.), Voy. Astrol. pl. iv, f. 38–40.
Geinitzii, d'Orb. (N.), Prod. 197.
Hispanica, d'Orb. (N.), Prod. 170.
longicauda, d'Orb. (N.), P. F. 639, 445, 9–14.
Makovii, Dubois, Sp. (N.), d'Orb. Prod. 253.
Mortonii, d'Orb. (N.), Prod. 253.
Neocomensis, d'Orb. (N.), P. F. 629, 442, 4–9.
notabilis, Munst. Sp. (N.), d'Orb. Prod. 170.
phaseola, d'Orb. (N.), P. F. 625, 444, 6–10.
Podolica, d'Orb. (N.), Prod. 253.
quadricostata, Sow. Sp. (N.), d'Orb. P. F. 644, 447, 1–7.
quinquecostata, Sow. Sp. (N.), d'Orb. P. F. 632, 444, 1, 5.
Royeriana, d'Orb. (N.), Prod. 119.
sexangularis, d'Orb. (N.), P. F. 648, 448, 5–8.
Simbriskensis, d'Orb. (N.), Prod. 253.
striato-costata, Goldf. Sp. (N.), d'Orb. Prod. 170.
striato-costata, d'Orb. (N. substriato-costata), P. F.
substriato-costata, d'Orb. (N.), Prod. 253.
Syriaca, Con. (N.), Lynch's Exped. 230, Appendix 1–6.
Truellei, d'Orb. (N.), P. F. 648, 448, 5–8.
Wrightii, Shum. (N.), 1860, Trans. Acad. St. Louis, p. 607.

KELLIA, Turton, 1822.

cretacea, Con. Jour. Acad. 2d s. vol. iv, 280, 46, 19. Ala., Miss. *C.*

LAVIGNON, Cuv. 1817.

Clementina, d'Orb. P. F. 406, 377, 5, 7. Fr. *G.*
minuta, Agas. Sp. (**Platymya**), d'Orb. P. F. 405, 337, 1, 4. Fr. *L. G.*
phaseolina, Phil. Sp. (**Mya**), d'Orb. P. F. 407. E. *L. G.*
phaseolina, d'Orb. *not Phil.* (subphaseolina), P. F. 407, 379, 8, 10.
rhomboidalis, Leym. Sp. (**Pholadomya**), d'Orb. Prod. 75. Fr. *N.*
subphaseolina, d'Orb. Prod. 136. Fr. *G.*

LEDA, Schum. 1817.

angulata, Sow. Sp. (**Nucula**), d'Orb. Prod. 159. E. *U. G.*
angulata, Gabb (subangulata), Proc. Acad. 1860, 94, 2, 12.

Evansii, M. & H. (YOLDIA), Proc. Acad. 1860, p. 185.
falcata, Reuss, Sp. (**Nucula**), d'Orb. Prod. 236. G. *C.*
fibrosa, Ev. & Shum. 1857, Trans. Acad. St. Louis, p. 39. Neb. *C.*
Forsteri, Müll. Sp. (**Nucula**), d'Orb. Prod. 236. G. *C.*
Hindi, Meek (NEILO), Assin. & Saskat. Exped. 183, 1–8–9.
Indica, d'Orb. (striatula), Voy. Astrol. pl. 5, f. 11–13.
lineata, Sow. Sp. (**Nucula**), d'Orb. Prod. 159. E. *U. G.*
longifrons, Con. Jour. Acad. 2d s. vol. iv, 281, 46, 18. Ala., Miss., N. J. *C.*
Mariae, d'Orb. (**Nucula**), Prod. 136. Fr. *G.*
Moreauensis, M. & H. (NEAERA), Proc. Acad. vol. viii, 284.
ovata, Reuss, Sp. (**Nucula**), d'Orb. Prod. 236. G. *C.*
pinnaeformis, Gabb, Jour. Acad. 2d s. vol. iv, 303, 48, 22. N. J. *C.*
porrecta, Reuss, Sp. (**Nucula**), d'Orb. Prod. 159. G. *U. G.*
producta, Nilss. Sp. (**Nucula**), d'Orb. Prod. 236. G., Sw. *C.*
pulchra, Sow. Dixon's Geol. Suss. 346, 28, 10. E. *C.*
protexta, Gabb, Jour. Acad. 2d s. vol. iv, 303, 48, 23. N. J., Tenn. *C.*
scapha, d'Orb. (**Nucula**), Prod. 75. Fr., N. Gren. *N.*
scitula, M. & H. (YOLDIA), 1860, Proc. Acad. p. 185.
semilunaris, Buch. Sp. (**Nucula**), d'Orb. Prod. 236. G. *C.*
siliqua, Goldf. Sp. (**Nucula**), d'Orb. Prod. 236. G. *C.*
Slackiana, Gabb, Jour. Acad. 2d s. vol. iv, 397, 68, 36. N. J. *C.*
solea, d'Orb. (**Nucula**), Prod. 136. Fr. *G.*
striatula, Forbes, G. T. 2d s. vol. vii, 148, 17, 14. India. *C.*
subangulata, Gabb (*angulata Gabb, not d' Orb.*). N. J. *C.*
subaequalis, Reuss, Sp. (**Nucula**), d'Orb. Prod. 236. G. *C.*
subnasuta, H. & M. Sp. (YOLDIA), M. & H. 1860, Proc. Acad. 429.
subrecurva, d'Orb. (**Nucula**), Prod. 136. Fr. *G.*
tenuirostris, Reuss, Sp. " d'Orb. Prod. 236. G. *C.*
undulata, Sow. Sp. " d'Orb. Prod. 136. E. *G.*
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ventricosa, H. & M. Sp. (YOLDIA), M. & H. Proc. Acad. (1860), p. 429.
Vibrayeana, d'Orb. (**Nucula**), Prod. 136. Fr. *G.*

LEGUMEN, Con. 1858.

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ellipticus, Con. id. 325, 34, 19. Ala., Miss., N. J. *C.*
planulata, Con. Sp. (**Solemya**), Gabb, 1861. N. J., Ala. *C.*

Leguminaria, Schum. 1817 (SILIQUA, Mühlf. 1811).

Moreana, d'Orb. (SILIQUA), P. F. 324, 350, 8, 9.
Nereis, d'Orb. (SILIQUA), Prod. 158.
truncatula, Reuss, Sp. (SILIQUA), d'Orb. Prod. 235.

Lembulus, Leach, 1826 (LEDA, Schum. 1817).

productus, Nilss. Sp. (LEDA), Gein. Verst. 420, 19, 15.

Lima, Brug. 1792 (CTENOIDES, Klein. 1753).

abrupta, d'Orb. *not Goldf.* (CTENOIDES subabrupta), P. F. 559, 423, 6–9.
Aeolis, d'Orb. (CTENOIDES), Prod. 167.
Albensis, d'Orb. (CTENOIDES), P. F. 541, 416, 15–16.
Alpina, P. & R. (CTENOIDES), Env. Genèv. 486, 40, 7.
amygdaloides, Reuss (CTENOIDES), Böhm. Kreid. 33, 38, 16.
arcuata, Gein. (C. divaricata).
aspera, Mant. Sp. (CTENOIDES), Goldf. P. Germ. pl. 104, f. 4.
Astieriana, d'Orb. (CTENOIDES), P. F. 549, 420, 4–7.
Baugasiana, d'Orb. (CTENOIDES), Prod. 248.
Bolina, d'Orb. (CTENOIDES), Prod. 107.
Bourgeoisiana, d'Orb. (CTENOIDES), Prod. 248.
Calypso, d'Orb. (CTENOIDES), Prod. 167.
canalifera, Goldf. (CTENOIDES), P. Germ. pl. 104, f. 1.
carinata, Munst. (CTENOIDES), Goldf. P. G. 104, f. 2.
Carteroniana, d'Orb. (CTENOIDES), P. F. 525, 414, 1–4.
clypeiformis, d'Orb. (CTENOIDES), P. F. 543, 417, 9–10.
Cenomanensis, d'Orb. (CTENOIDES), P. F. 552, 421, 11, 15.
comata, Desh. (C. undata), M. G. S. F. vol. v, 10, 8, 7.
consobrina, d'Orb. (C. subconsobrina), P. F. 566, 422, 4–7.
Coniacensis, d'Orb. (CTENOIDES), Prod. 248.
Cottaldina, d'Orb. (CTENOIDES), P. F. 537, 416, 1–5.
crenulicosta, Roem. (CTENOIDES), Kreid. Tex. 63, 8, 8.
decussata, Goldf. (CTENOIDES), Petrif. Germ. pl. 104, f. 5.
dichotoma, Reuss (CTENOIDES), Böhm. Kreid. 35, 38, 10.
difficilis, d'Orb. (CTENOIDES), P. F. 551, 423, 10–11.
divaricata, Dujard. (CTENOIDES), M. G. S. F. vol. ii, pl. 16, f. 7.
Dujardini, Desh. (CTENOIDES), d'Orb. P. F. 599, 427, 1–4.

Dupiniana, d'Orb. (CTENOIDES), P. F. 535, 415, 18–22.
Dutempleana, d'Orb. (CTENOIDES), P. F. 571, 427, 10–14.
elegans, Dujard. (CTENOIDES), M. G. S. F. vol. ii, pl. 16, f. 1.
elegans, Leym. *not Duj.* (C. Cottaldina), M. G. S. F. vol. v, p. 27.
elegantula, d'Orb. (CTENOIDES), Prod. 248.
elongata, Roem. *not Sow.* (Astieriana), Nord. Kreid. p. 56, *not Ool.*
elongata, Gein. *not Sow.* (Astieriana), Charakt. Kreid. 82, 59, 2.
elongata, Roem. *not R. in Nord. K.* (longa), Ool. pl. 13, f. 11.
elongata, Reuss (Reussii), Böhm. Kreid. 33, 38, 6, 9.
expansa, Forbes (CTENOIDES), Q. J. G. S. vol. i, p. 249.
Farringdonensis, Sharpe (CTENOIDES), id. vol. x, 198, 6, 2.
Fittoni (ii), d'Orb..(CTENOIDES), Prod 82.
frondosa, Duj. (C. tecta), M. G. S. F. vol. ii, 227, 16, 10.
Gallienniana, d'Orb. (CTENOIDES), P. F. 548, 420, 1–3.
Galloprovincialis, Math. (CTENOIDES), Catal. 182, 29, 5.
granosa, Sow. (CTENOIDES), Dixon's Geol. Suss. 28, 24, 25.
granosa, d'Orb. (C. granulata), P. F. pl. 427, 5–9.
granulata, Nils. Sp. (CTENOIDES), Desh. Enc. Meth.
Hoperi, Mant. Sp. (CTENOIDES), Desh. Enc. Meth. vol. ii, p. 349.
intercostata, Duj. (CTENOIDES), M. G. S. F. vol. ii, pl. 16, f. 8.
intermedia, d'Orb. (CTENOIDES), P. F. 550, 421, 1–5.
interstriata, Gein. (CTENOIDES), Quadersand.
Itieriana, P. & R. (CTENOIDES), Env. Genèv. 484, 40, 5.
laevissima, Reuss (CTENOIDES), Böhm. Kreid. 35, 38, 14.
laeviuscula, Sow. *not Sow. M. Con.* (C. sublaeviuscula), Dixon's Geol. Suss. 347, pl. 28.
lamellosa, Gein. (C. tecta), Char. Kreid. p. 25.
laticosta, Roem. (CTENOIDES), Nord. Kreid. 57, 8, 9.
Ligeris, Dujard. (CTENOIDES), M. G. S. F. vol. ii, pl. 16, f. 5.
Leonensis, Con. (CTENOIDES), Emory's Rep. 151, 5, 3.
longa, Roem. (CTENOIDES), Nord. Kreid. p. 57.
Mantelli, Brong. Sp. (CTENOIDES), Goldf. P. G. 92, 104, 9.
Marrotiana, d'Orb. (CTENOIDES), P. F. 561, 424, 1–4.
Marticensis, Math. (CTENOIDES), Catal. 183, 29, 8–10.
Massiliensis, Math. (CTENOIDES), Cat. 182, 29, 1–2.
maxima, d'Arc. (CTENOIDES), M. G. S. F. vol. ii, 187, 13, 13.
minuta, Goldf. (CTENOIDES), Petrif. pl. 103, f. 6.
montana, P. & R. (CTENOIDES), Env. Genèv. 489, 43, 1.
multicostata, Gein. (CTENOIDES), Char. Kreid. 28, 8, 3.
Moreana, d'Orb. (CTENOIDES), P. F. 538, 416, 6–10.

Moutoniana, d'Orb. (CTENOIDES), Prod. 167.
Neocomensis, d'Orb. (CTENOIDES), P. F. 536, 417, 1, 2, 7, 8.
Nilssonii, Roem. (CTENOIDES), Nord. Kreid. p. 57.
obliquestriata, Forbes (CTENOIDES), G. T. vol. vii, 154, 18, 13.
obsoleta, Dujard. (CTENOIDES), M. G. S. F. 2d s. vol. ii, pl. 16, f. 6.
Orbignyana, Math. (CTENOIDES), Catal. 182, 29, 3–4.
ornata, d'Orb. (CTENOIDES), P. F. 551, 421, 6–10.
ovata, Nils. Sp. (CTENOIDES), Roem. Nord. Kreid. p. 57.
parallela, Sow. Sp. (CTENOIDES), d'Orb. P. F. 539, 416, 11–14.
paucicostata, Reuss (CTENOIDES), Böhm. Kreid. 33, 38, 4.
pectita, d'Orb. (CTENOIDES), P. F. 572, 427, 15–19.
pelagica, Morton, Sp. (CTENOIDES), d'Orb. Prod. 249.
pennata, d'Arc. (CTENOIDES), M. G. S. F. 2d s. vol. ii, 307, 15, 6.
plana, Roem. (C. longa), Ool. pl. 13, f. 18.
plana, Reuss, *not Roem.* (C. subplana), Böhm. Kreid. 35, 38, 20.
plicatilis, Duj. (CTENOIDES), M. G. S. F. vol. ii, 216, 16, 9.
pseudocardium, Reuss (CTENOIDES), B. Kreid. 33, 38, 2–3.
pulchella, d'Orb. (CTENOIDES), P. F. 560, 423, 12–15.
rapa, d'Orb. (CTENOIDES), P. F. 546, 419, 1–4.
Rauliniana, d'Orb. (CTENOIDES), P. F. 542, 417, 5–8.
rectangularis, d'Arc. (CTENOIDES), M. G. S. F. 308, 15, 7.
Reichenbachii, Gein. (CTENOIDES), Char. Kreid. pl. 8, f. 4.
Renauxiana, Math. (CTENOIDES), Catal. 183, 29, 6.
resecta, d'Arc. (CTENOIDES), M. G. S. F. 308, 15, 8.
reticulata, Lyell & Forbes (CTENOIDES), Q. J. G. S. vol. i, p. 62.
Reussii, d'Orb. (CTENOIDES), Prod. 249.
Rhodaniana, d'Orb. (CTENOIDES), P. F. 541, 416, 17–19.
Rhotomagensis, d'Orb. (CTENOIDES), P. F. 557, 422, 8–11.
Robinaldina, d'Orb. (CTENOIDES), P. F. 531, 415, 5–8.
Royeriana, d'Orb. (CTENOIDES), P. F. 527, 414, 5–8.
Sabaudiana, P. & R. (CTENOIDES), Env. Genèv. 485, 40, 6.
Santonensis, d'Orb. (CTENOIDES), P. F. 565, 425, 1–2.
Saxoneti, P. & R. (CTENOIDES), Env. Genèv. 487, 40, 8.
semiornata, d'Orb. (CTENOIDES), P. F. 555, 422, 1–3.
semisulcata, Desh. (CTENOIDES), P. F. 562, 424, 5–9.
semisulcata, Sow. (C. Fittonii), G. T. vol. iv, 129, 11, 10.
semisulcata, Sow. (subsemisulcata), G. T. vol. iv, p. 241, *not p.* 129.

septemcostata, Reuss (CTENOIDES), B. Kreid. 33, 38, 5.
simplex, d'Orb. (CTENOIDES), P. F. 545, 418, 5–7.
squamifera, Goldf. (C. Dujardinii), P. G. pl. 103, f. 3.
spinosa, Sow. (CTENOIDES), D. Geol. Suss. 347, 28, 33.
stricta, Roem. (CTENOIDES), Ool. pl. 13, f. 17.
subaequilateralis, d'Orb. (CTENOIDES), P. F. 558, 423, 1–5.
subabrupta, d'Orb. (CTENOIDES), Prod. 167.
subconsobrina, d'Orb. (CTENOIDES), Prod. 167.
subovalis, Sow. (CTENOIDES), G. T. vol. iv, 241, 17, 21.
subplana, d'Orb. (CTENOIDES), Prod. 197.
subrigida, Roem. (CTENOIDES), Nord. Kreid. p. 57.
subsemisulcata, d'Orb. (CTENOIDES), Prod. 167.
tecta, Goldf. (CTENOIDES), Petr. Germ. 91, 104, 7.
Tombeckiana, d'Orb. (CTENOIDES), P. F. 534, 415, 13–17.
Toucasiana, d'Orb. (CTENOIDES), Prod. 248.
truncata, Munst. (CTENOIDES), Goldf. P. G. 91, 104, 6.
undata, Desh. (CTENOIDES), M. G. S. F. vol. v, p. 10, 8, 8.
undulata, Reuss (CTENOIDES), Böhm. Kreid. 35, 38, 13.
Varusensis, d'Orb. (CTENOIDES), Prod. 167.
Wacoensis, Roem. (CTENOIDES), Kreid. Tex. 63, 8, 7.

LIMOPSIS, Sassi, 1835 (**Pectunculina**, d'Orb. 1843).

complanata, d'Orb. (**P.**), Prod. 163. Fr. *U. G.*
Guerangeri, d'Orb. (**P.**), Prod. 163. Fr. *U. G.*
Hoeninghausii, Müll. Sp. (**Pectunculus**), d'Orb. Prod. 243. G. *C.*
parvula, M. & H. (**Pectunculina**), 1856, Proc. Acad. p. 285. Neb. *C.*
striato-punctatus (a), E. & S. 1857, Trans. St. Louis, Acad. p. 38. Neb. *C.*

LINEARIA, Con. 1860.

metastriata, Con. Jour. Acad. 2d s. vol. iv, 279, 46, 7. Ala. *C.*

LITHODOMUS, Cuv. 1817.

aequalis, d'Orb. P. F. 295, 346, 4–6. Fr. *U. G.*
Aglae, d'Orb. Prod. 247. Fr. *C.*
amygdaloides, Desh. Sp. (**Modiola**), d'Orb. P. F. 290, 344, 7–9. Fr. *N.*

Archiacii, Leym. Sp. (**Modiola**), d'Orb. P. F. 290, 344, 11–12. Fr. *N.*
Australis, Gabb (**Modiola**), 1861. Chili. *C.*
avellana, d'Orb. P. F. 291, 344, 13–15. Fr. *N.*
Carantonensis, d'Orb. P. F. 293, 345, 1–3. Fr. *U. G.*
contortus, Dujard. Sp. (**Modiola**), d'Orb. Prod. 247. Fr. *C.*
Cretaceus, Con. Lynch's Exped. 224, 17, 101. Syria. *C.*
cypris, Forbes, Sp. (**Modiola**), d'Orb. Prod. 247. India. *C.*
discrepens, Müll. (MYOCONCHA), Aach. K. 36, 2, 15 a.
faba, Müll. Sp. (**Mytilus**), d'Orb. Prod. 247. G. *C.*
intermedius, d'Orb P. F. 297, 345, 9–10. Fr. *C.*
oblongus, d'Orb. P. F. 289, 344, 4–6. Fr. *N.*
obtusus, d'Orb. (contortus), P. F. 296, 345, 11–13.
orbiculatus, d'Arc. Sp. (**Cypricardia**), d'Orb. P. F. 293, 345, 4–8. Fr. *U. G.*
pistilliformis, Reuss, Sp. (**Fistulana**), d'Orb. Prod. 196. G. *C.*
praelongus, d'Orb. P. F. 289, 344, 1–3. Fr. *N.*
pyriformis, d'Arc. M. G. S. F. 2d s. vol. ii, 307, 15, 5. G. *U. G.*
rostratus, d'Orb. P. F. 292, 344, 16, 17. Fr. *U. G.*
rugosus, d'Orb. P. F. 294, 346, 1–3. Fr. *U. G.*
socialis, d'Orb. Coq. Foss. Col. p. 56. N. Gren. *N.*
spathulatus, Gein. in Reuss, Böhm. Kreid. 16, 86, 10. G. *C.*
subintermedius, d'Orb. Prod. 119. Fr. *L. G.*
Toucasianus, d'Orb. Prod. 196. Fr. *C.*

LUCINA, Brug. 1791.

Arduennensis, d'Orb. P. F. 120, 283, 8–10. Fr. *G.*
Campaniensis, d'Orb. P. F. 122, 283, 11–12. Fr. *C.*
circularis, Gein. Char. Kreid. 20, 4, 76. G. *U. G.*
Coquandiana, d'Orb. P. F. 121, 282. Fr. *
Cornueliana, d'Orb. P. F. 116, 281, 3–5. Fr. *N.*
Dumoulinii, d'Orb. Voy. Astrol. pl. 5, f. 15, 16. Chili. *C.*
discus, Math. (Campaniensis), Catel. pl. 13, f. 12.
Dupiniana, d'Orb. P. F. 117, 281, 6–8. Fr. *N.*
excavata, Morton, Sp. (DOSINIA), d'Orb. Prod. 241.
excentrica, Sow. Forbes, in Darwin's S. A. 267, 5, 21. Patagonia. *L. G.?*
fallax, Forbes, G. T. vol. vii, 143, 17, 8. India. *C.*
globiformis, Leym. M. G. S. F. 1842, 4, 3, 8. Fr. *N.*
Grangei, d'Orb. Voy. Astrol. pl. 2, f. 13, 14. Chili. *C.*

* Turonien in Pal. Fr., Eocene (Suessonien) in Prod. Pal.

gurgitis, P. & R. Env. Genèv. 449, 34, 5. Fr. *G.*
imbricata, Desh. (CARDIUM), M. G. S. F. vol. v, 4, 5, 2.
jugosa, Forbes, G. T. vol. vii, 142, 17, 7. India. *C.*
lens, Roem. Nord. Kreid. 73, 9, 14. G. *C.*
lenticularis, Goldf. (DOSINIA), Petr Germ. 228, 146, 16.
Nereis, d'Orb. Prod. 162. Fr. *U. G.*
numismalis, Math. (ARCOPAGIA), Catal. 114, 13, 3.
obesa, d'Orb. Voy. Astrol. pl. 8, f. 26, 28. India. *C.*
occidentalis, Morton, Sp. (**Tellina**), M. & H. 1856, Proc. Acad. p. 273. Neb. *C.*
orbicularis, Sow. G. T. vol. iv, 241, 16, 13. E., G. *U. G.*
ornatissima, d'Orb. (jugosa), Voy. Astrol. pl. 7, f. 27, 28.
pisum, Sow. G. T. vol. iv, 241, 16, 14. E. *U. G.*
pisum, d'Orb. (Cornueliana), P. F. pl. 281, 3–5.
pinguis, Con. Jour. Acad. 2d s. vol. ii, 275, 24, 18. N. J. *C.*
plicato-costata, d'Orb. Am. Merid. 83, 18, 13–14. N. Gren. *N.*
Reichii, Roem. Nord. Kreid. 73, 9, 15. G. *U. G.*
Roissii, Leym. (VENUS), M. G. S. F. vol. v, pl. 5, f. 4.
Rouyana, d'Orb. P. F. 119, 283 bis, 8–10. Fr. *N.*
Safedensis, Con. Lynch's Exped. 226, 19, 115. Syria. *C.*
sculpta, Phil. Geol. York. pl. 2, f. 15. E., Fr. *L. G.*
solidula, Forbes, Q. J. G. S. vol. i, 239, 2, 7. E. *L. G.*
subglobosa, Goldf. Sp. (CORBULA), d'Orb. Prod. 241. G. *C.*
sublenticularis, Shum. 1860, Trans. Acad. St. Louis, p. 602. Texas. *C.*
subnumismalis, Mull. Sp. (**Venus**), d'Orb. Prod. 241. G. *C.*
subundata, H. & M. Mem. Acad. Boston, 2d s. vol. v, 382, 1, 6. Neb. *C.*
supracretacea, d'Orb. Prod. 293. Fr. *Danien.*
Turonensis, d'Orb. P. F. 123, 283 bis, 11–12. Fr. *C.*
Vendoperata, Leym. (VENUS), M. G. S. F. 2d s. vol. v, pl. 5, f. 3.
ventricosa, M. & H. 1860, Proc. Acad. 427. Neb. *C.*
Vibrayeana, d'Orb. P. F. 120, 283, 5–7. Fr. *G*

LUTRARIA, Lam. 1801.

cretacea, Math. (PANOPAEA), Catal. 141, 12, 10.
carinifera, Sow. (LYONSIA), M. Con. 534.
cuneata, Math. (P. Massiliensis), Cat. 140, 12, 4–5.
gurgitis, Brong. (PANOPAEA), Env. Par. 97, 9, 15.
gurgitis, Brong. *pars.* (P. plicata), in Cuv. Oss. Foss. 648, pl. Q. f. 15.

Massiliensis, Math. (PANOPAEA), Catal. 140, 12, 8–9.
rostrata, Math. (PANOPAEA), Catal. 140, 12, 7.
? *striata*, d'Arc. (P. substriata), d'Orb. P. F. 341.
striata, Sow. (MACTRA substriata), M. Con. 534.
Urgonensis, Math. (PANOPAEA), Catal. 139, 12, 1.
Voltzii, Math. (PANOPAEA), Catal. 139, 12, 2–3.

LYONSIA, Turton, 1822.

carinifera, Sow. Sp. (**Lutraria**), d'Orb. P. F. 385, 372, 1–2. E., Fr. *C., U. G.*
elegans, d'Orb. P. F. 386, 372, 3–5. Fr. *U. G.*
elongata, Reuss (ANATINA), Böhm. Kreid. 18, 36, 9.
Germani, Geinitz, Quadersand. G.
globulosa, Forbes, Sp. (**Poromya**), d'Orb. Prod. 234. India. *C.*
inornata, d'Orb. Prod. 234. Fr. *C.*
lata, Forbes, Sp. (**Poromya**), d'Orb, Prod. 234. India. *C.*
Ricordeana, d'Orb. Prod. 117. Fr. *L. G.*
subrotundata, d'Orb. Prod. 74. E. *N.*

Lyrodon, Sow. 1833 (TRIGONIA, Brug. 1791).

aliformis, Sow. Sp. (TRIGONIA), Bronn. Verstein. vol. ii, 700, 32, 15.
conocardiiformis, Krauss (TRIGONIA), Nov. Act. C. L. C. vol. xx, 454, 49, 1.
Herzogii, Hausm. (TRIGONIA), in Goldf. Petr. 202, 37, 5.
literatum, Goldf. (T. Lusitanica), Petr. pl. 136, f. 5, c, d (*exclus.* 5, a, b, e, f, g).
scaber, Bronn. (TRIGONIA), Verst. 700, 32, 13.
ventricosus, Krauss. (TRIGONIA), Nov. Act. C. L. C. 456, 49, 2.

Lysianassa, Munst. 1838.

designata, Goldf. Sp. (PHOLADOMYA), Petr. Germ. 264, 154, 13.

MACTRA, Linn. 1767, Lam. 1799.*

alta, M. & H. 1856, Proc. Acad. p. 271. Neb. *C.*

* Messrs. Meek and Hayden appear to consider that probably the name TRIGONELLA should precede MACTRA, since they quote their species thus: "Mactra (Trigonella?), Siouxensis," &c. The real state of the case is as follows: In the twelfth edition of "Systema Naturæ," Linnaeus called the genus, MACTRA. It

angulata, Sow. G. T. vol. iv, pl. 16, f. 9. E. *U. G.*
Araucana, d'Orb. Voy. Astrol. pl. 5, f. 2–4. Chili. *C.*
Carteroni, d'Orb. P. F. 367, 368, 6–9. E., Fr. *N.*
Chiliensis, Gabb, 1860, Proc. Acad. 198, 3, 5. Chili. *C.*
Cecileana, d'Orb. Am. Merid. 126, 15, 5–6. Chili. *C.*
Dupiniana, d'Orb. P. F. 367, 368, 3–5. Fr. *N.*
formosa, M. & H. 1856, Proc. Acad. 271. Neb. *C.*
Gaultina, P. & R. Env. Genèv. 407, 29, 3. Fr. *G.*
gracilis, M. & H. 1860, Proc. Acad. p. 179. Neb. *C.*
intersecta, Forbes, Sp. (**Carduim**), d'Orb. Prod. 235. India. *C.*
Matronensis d'Orb. P. F. 366, 368, 1–2. Fr. *N.*
porrecta, Gein. Quader. G.
Siouxensis, M. & H. 1860, Proc. Acad. 179. Neb. *C.*
substriata, d'Orb. Prod. 75. E. *N.*
Texana, Con. 1856, Proc. Acad. p. 269. Tex. *C.*
tripartita, Sow. in Forbes, G. T. vol. vii, 142, 15, 17. India. *C.*
Warrenana, M. & H. 1856, Proc. Acad. p. 271. Neb. *C.*

Mactromya, Ag. 1842.

Couloni, Ag. (DONACILLA), Etud. Crit. 195, 10, 6–14.

MERETRIX, Lam. 1799 (**Cytherea**, Lam. 1805).

Deweyi, M. & H. (**Cytherea**), 1860, Proc. Acad. p. 185. Neb. *C.*
juunda, Duj. Sp. " Gabb, 1861. Fr. *C.*
lineolata, Sow. Sp. " " " E. *U. G.*
Leonensis, Con. Sp. " " " Texas. *C.*
Lamarensis, Shum. Sp. " " " Texas. *C.*
Missouriana, Morton, Sp. (**Cytherea**), Gabb, 1861. Mo. *C.*
Nebrascensis, M. & H. Sp. " " " Neb. *C.*
orbiculata, M. & H. " 1860, Proc. Acad. p. 185. Neb. *C.*
Owenana, M. & H. " id. p. 185. Neb. *C.*
pellucida, M. & H. " id. p. 185. Neb. *C.*
subrotunda, Sow. Sp. " Gabb, 1861. E. *U. G.*

therefore bears date 1767. It was, however, very much wider in its range than when, in 1799, Lamarck restricted it to the true *Mactras*. But, in 1778, Humphreys applied the name TRIGONELLA to the genus. Still, Linnaeus's name being the oldest, must be retained under the more restricted sense, and thus *Trigonella* becomes a synonym.

tenuis, M. & H. (**Cytherea**), 1860, Proc. Acad. p. 185. Neb. *C.*
Texana, Con. Sp. " Gabb, 1861. Texas. *C.*
Tippana, Con. Jour. Acad. 2d s. vol. iii, 326, 34, 18. Ala., Miss. *C.*

MODIOLA, Lam. 1799 (**Mytilus**, pars d'Orb. and others).

aequalis, Sow. M. Con. 210. E., Fr., G. *N., L. G.*
alaeformis, Sow. (GERVILLIA), M. Con. 251.
Albensis, d'Orb. (**Mytilus**), Prod. 138. Fr., G. *G.*
amygdaloides, Desh. (LITHODOMUS), M. G. S. F. vol. v, pl. 5, f. 6.
angusta, Roem. (subangusta), N. Kreid. p. 66.
Archiacii, Leym. (LITHODOMUS), M. G. S. F. vol. v, pl. 16, f. 2.
attenuata, M. & H. (**Mytilus**), Proc. Acad. 1860, p. 427. Neb. *C.*
arcuata, Gein. (subarcuata), Char. Kreid. 20, 34, 78.
bella, Sow. in Fitt. G. T. vol. iv, 113, 11, 9. E. *G., L. G.*
bipartita, Sow. M. Con. 210. E. *L. G.*
bipartita, Leym. *not Sow.* (aequalis), M. G. S. F. vol. v, pl. 9, f. 8.
Carteroni, d'Orb. Sp. (**Mytilus**), Gabb, 1861. Fr. *N.*
contorta, Duj. (LITHODOMUS), M. G. S. F. vol. ii, 225, 15, 12.
concentrice-costellata, Roem. Kreid. Tex. 54, 7, 10. Tex. *C.*
Corneuliana, d'Orb. Sp. (**Mytilus**), Gabb, 1861. Fr. *N.*
cypris, Forbes (LITHODOMUS), G. T. vol. vii, 152, 16, 7.
cretacea, Gabb, 1860 (LITHODOMUS australis), Proc. Acad. 198, 3, 3.
dilatata, d'Orb. Sp. (**Mytilus**), Gabb, 1861. Fr. *U. G.*
divaricata, d'Orb. Sp. " " " Fr. *C.*
Dufrenoyi, d'Orb. Sp. " " " Fr. *C.*
Fittoni, d'Orb. Sp. " " " Fr. *N.*
flagellifera, Forbes, Sp. " " " India. *C.*
Giffreana, P. & R. Sp. " " " Fr. *G.*
granulato-cancellata, Roem. Kreid. Tex. 54, 7, 12. Texas. *C.*
Guerangeri, d'Orb. Sp (**Mytilus**), Gabb, 1861. Fr. *U. G.*
inornata, d'Orb. Sp. " " " Fr. *U. G.*
interrupta, d'Orb. Sp. " " " Fr. *U. G.*
Ligeriensis, d'Orb. Sp. " " " Fr. *U. G.*
lineata, Fitt. (sublineata), G. T. 2d s. vol. iv, pl. 14, f. 2.
Marrotiana, d'Orb. Sp. (**Mytilus**), Gabb, 1861. Fr. *C.*
Matronensis, d'Orb. Sp. " " " Fr. *N.*
Meekii, Evans & Shum. Sp. " M. & H. 1860, Proc. Acad. 427. Neb. *C.*
Mortilettii, P. & R. Sp. " Gabb, 1861. Fr. *G.*

nitens, Forbes, Sp. (**Mytilus**), Gabb, 1861. India. *C.*
Orbignyana, P. & R. Sp. " " " Fr. *G.*
ornatissima, d'Orb. Sp. " " " Fr., Portugal. *U. G.*
ovata, Gabb, Jour. Acad. 2d s. vol. iv, 396, 68, 31. N. J. *C.*
parellela, Sow. (CTENOIDES), M. Con. pl. 9.
Pedernalis, Roem. Kreid. Tex. 54, 7, 11. Tex. *C.*
polygona, d'Orb. Sp. (**Mytilus**), Gabb, 1861. India. *C.*
peregrina, d'Orb. Sp. " " " Fr. *U. G.*
pulcherrima, Roem. Nord. Kreid. 66, 4, 14. G. *N.*
quadrata, Sow. Dixon's Geol. Sussex. 347, 28, 13. E. *C.*
Reussii, d'Orb. Sp. (**Mytilus**), Gabb, 1861. G. *C.*
Rhodani, P. & R. Sp. " " " Fr. *G.*
reversa, Sow. in Fitt. G. T. 2d s. vol. iv, pl. 17, f. 13. E., Fr. *U. G.*
Requieniana, Math. (MYOCONCHA), Catal. 177, 28, 3–4.
rugosa, Roem. Nord. Kreid. p. 67. G. *N.*
Saffordii, Gabb, Jour. Acad. 2d s. vol. iv, 395, 68, 30. Tenn. *C.*
semiornata, d'Orb. Sp. (**Mytilus**), Gabb, 1861. Fr. *U. G.*
siliqua, Math. Catal. 178. Fr. *U. G.*
simplex, Desh. *not Defr.* (subsimplex), M. G. S. F. vol. v, pl. 7, f. 8.
Socomina, d'Orb. Am. Merid. 90, 18, 18. N. Gren. *N.*
solutus, Dujard. M. G. S. F. vol. ii, 225, 15, 13. Fr. *C.*
striato-costata, d'Orb. Sp. (**Mytilus**), Gabb, 1861. Fr. *C.*
subangustus, d'Orb. Sp. " " " G. *N.*
subarcuatus, d'Orb. Sp. " " " Fr. *U. G.*
sublineatus, d'Orb. Sp. " " " Fr. *N.*
subsimplex, d'Orb. Sp. " " " Fr. *N.*
tetragona, Reuss, Böhm. Kreid. 15, 33, 6. G. *C.*
undulata, Forbes, Sp. (**Cypricardia**), Gabb, 1861. E. *L. G.*
typica, Forbes, Sp. (**Mytilus**), Gabb, 1861. India. *C.*

Mya, Linn. 1758.

depressa, Phil. (THRACIA subdepressa), Geol. York, pl. 2, f. 8.
depressa, Phil. (T. recurva), Geol. York, p. 93.
laeviuscula, Sow. (PANOPAEA), G. T. 2d s. vol. iv, 241, 16, 6.
phaseolina, Phil. (LAVIGNON), Geol. York, 93, 2, 13.
mandibula, Sow. (PANOPAEA), M. Con. 43.

MYOCONCHA, Sow. 1824.

angulata, d'Orb. P. F. 261, 336. Fr. *U. G.*
discrepens, Müll. Sp. (LITHODOMUS), d'Orb. Prod. 246. G. *C.*
cretacea, d'Orb. P. F. 260, 335. Fr. *U. G.*
elliptica, Roem. Nord. Kreid. 66, 8, 17. G. *C.*
Neocomensis, d'Orb. Prod. p. 80. Fr. *N.*
Requieniana, Math. Sp. (**Modiola**), d'Orb. Prod. 196. Fr. *C.*
supracretacea, d'Orb. P. F. 266, 335. Fr. *C.*

Myopsis, Agas. 1840 (PANOPAEA, Menard, 1807).

acutisulcata, Desh. Sp. (PANOPAEA), Ag. Etud. Cret. 253.
attenuata, Agas. (P. Carteroni), id. pl. 31, f. 1–4.
curta, Ag. (P. Carteroni), id. 32, 1–3.
lata, Ag. (PANOPAEA), Etud. Crit. 261, 32, 8–9.
lateralis, Agas. (P. irregularis), id. 32, 6–7.
scaphoides, Ag. (PANOPAEA), id. 261, 32, 4–5.
unioides, Ag. (P. Neocomensis), id. pl. 31, f. 11–12.

Mysia, Leach (DIPLODONTA, Brown, 1831).

gibbosa, Gabb (D.), Jour. Acad. 2d s. vol. iv, 302, 48, 17. N. J., Del. *C.*
parilis, Con. (D.), id. 278, 46, 8. Ala., Miss. *C.*

MYTILUS, Linn. 1758.

abruptus, d'Orb. Prod. 107. E., Fr. *N.*
aequalis, Sow. Sp. (MODIOLA), d'Orb. P. F. 265, 337, 3–4.
Albensis, d'Orb. (MODIOLA), Prod. 138.
alternatus, d'Orb. P. F. 284, 342, 13, 14. Fr. *U. G.*
Araucanus, d'Orb. Voy. Astrol. pl. 5, f. 27, 28. Chili. *C.*
arcaceus, Gein. Quaders. G.
attenuatus, M. & H. (MODIOLA), Proc. Acad. 1856, p. 86.
Bourgeoisianus, d'Orb. Prod. 246. Fr. *C.*
Carteroni, d'Orb. (MODIOLA), P. F. 202, 303, 4–8.

Chauvinianus, d'Orb. Prod. 165. Fr. *U. G.*
clathratus, d'Arc. M. G. S. F. 2, S. vol. ii, 306, 15, 4. G. *U. G.*
concentricus, Munst. in Goldf. P. Germ. 138, f. 5. G. *C.*
Corneuilianus, d'Orb. (MODIOLA), P. F. 268, 337, 10–13.
Cottae, Roem. Nord. Kreid. 66, 8, 18. G. *C.*
Couloni, Marcou in d'Orb. Prod. 81. Fr. *N.*
Cuvieri, Math. Catal. 179, 28, 9–10. Fr. *C.*
cypris, Forbes (LITHODOMUS), G. T. vol. vii, 152, 16, 7.
densesulcatus d'Orb. Prod. 81. Fr. *N.*
dilatatus, d'Orb. (MODIOLA), P. F. 280, 342, 1–3.
divaricatus, d'Orb. (MODIOLA), P. F. 275, 340, 3–4.
Dufrenoyi, d'Orb. (MODIOLA), P. F. 284, 343.
edentulus, Sow. M. Con. 439. E., Fr. *L. G., N.*
falcatus, d'Orb. *not Goldf.* (subfalcatus), P. F. 280, 341, 11–13.
Fittoni, d'Orb. (MODIOLA), Prod. 81.
flagelliferus, Forbes (MODIOLA), G. T. vol. vii, 152, 16, 9.
fractus, Reuss Böhm. Kreid. 16, 33, 11. G. *C.*
Galliennei, d'Orb. P. F. 273, 339, 1–2. Fr. *U. G.*
Galpinianus, E. & S. (MODIOLA Meekii), 1855, Proc. Acad. p. 164.
Guerangeri, d'Orb. (MODIOLA), P. F. 283, 342, 10–12.
Giffreanus, P. & R. (MODIOLA), Env. Genèv. 481, 40, 3.
Gurgitis, P. & R. (MODIOLA subsimplex), *id.* 481, 40, 2.
inflatus, Müll. Aach. Kreid. 35, 2, 9. G. *C.*
inæquivalvis, Sow. in Fitt. G. T. vol. iv, pl. 17, f. 16. E. *U. G.*
inornatus, d'Orb. (MODIOLA), P. F. 277, 341, 3–5.
interruptus, d'Orb. (MODIOLA), P. F. 278, 341, 6–8.
lanceolatus, Sow. (edentulus), M. Con. 439.
lanceolatus, d'Orb. (abruptus), P. F. 270, 338, 51.
Ligeriensis, d'Orb. (MODIOLA), P. F. 274, 340, 1–2.
Ligeriensis, Reuss (MODIOLA Reussii), Böhm. Kreid. 16, 33, 3.
lineatus, Fitt. Sp. (MODIOLA sublineata), d'Orb. P. F. 266, 237, 7–9.
lineatus, d'Orb. (peregrinus), P. F. 266.
Lyellii, Sow. G. T. vol. iv, 178, 21, 18. E. *Weald.*
Marrotianus, d'Orb. (MODIOLA), Prod. 246.
Matronensis, d'Orb. (MODIOLA), P. F. 269, 337, 14–16.
Morrissii, Sharpe, G. J. G. S. vol. vi, 187, 22, 5. Portugal. *C.*
Mortilettii, P. & R. (MODIOLA), Env. Genèv. 482, 40, 3.
Moulinsii, d'Orb. Prod. 246. Fr. *C.*
Meekii, E. & S. (MODIOLA), 1857, Trans. Acad. St. Louis, p. 40.

Mullerii, d'Orb. Prod. 247. G. *C.*
nitens, Forbes (MODIOLA), G. T. vol. vii, 151, 16, 8.
orbiculatus, d'Orb. Prod. 166. Fr. *U. G.*
Orbignyanus, P. & R. (MODIOLA), Env. Genèv. 479, 39, 9.
ornatissimus, d'Orb. (MODIOLA), Prod. 166.
ornatus, Munst. in Goldf. P. Germ. pl. 129, f. 8.
ornatus, d'Orb. (ornatissimus), P. F. 284, 342, 13–14.
peregrinus, d'Orb. (MODIOLA), Prod. 165.
Phædra, d'Orb. Prod. 294. Fr. *D.*
pileopsis, d'Orb. P. F. 272, 338, 11–13. Fr. *C.*
polygonus, d'Orb. (MODIOLA), Voy. Astrol. pl. 5, f. 41–42.
India. *C.*
**problematicus*, Schlot. (INOCERAMUS), Petr. 312.
prælongus, Sow. (edentulus), G. T. vol. iv, pl. 17, f. 15.
pulcher, Forbes (MODIOLA polygona), G. T. vol. vii, pl. 6, f. 6.
pulcherrimus, Roem. Sp. (MODIOLA), d'Orb. Prod. 81.
radiatus, Munst. *not Mull.* (subradiatus), in Goldf. pl. 138, f. 6.
Reussii, d'Orb. (MODIOLA), Prod. 247.
reversus, Sow. Sp. (MODIOLA), d'Orb. Prod. 165.
reversus, Fitt. Sp. (MODIOLA Fittoni) d'Orb. P. F. 264, 337, 1–2.
Rhodani, P. & R. (MODIOLA), Env. Genèv. 480, 40, 1.
scalaris, Müll. *not Phil.* (Mullerii), Aach. Kreid. 35, 2, 11.
semiplicatus, Roem. Kreid. Tex. 55, 7, 3. Texas. *C.*
semiornatus, d'Orb. (MODIOLA), P. F. 279, 341, 9–10.
semiradiatus, d'Orb. (MODIOLA reversa), P. F. 277, 341, 1–2.
semistriatus, d'Orb. (Chauvanianus), P. F. 271, 338, 7–10.
†*semisulcatus*, d'Orb. (Chauvanianus), P. F. pl. 338, 7–10.
siliqua, Math. Sp. (MODIOLA), d'Orb. P. F. 274, 339, 3–4.
simplex, d'Orb. (MODIOLA subsimplex), P. F. 269, 338, 1–3.
Socorrinus, d'Orb. (MODIOLA), Prod. 107.
solutus, Dujard. Sp. (MODIOLA), d'Orb. P. F. 276, 340, 5–6.
sphenoides, Reuss, Böhm. Kreid. 15, 33, 7. G. *C.*
striato-costatus, d'Orb. (MODIOLA), P. F. 281, 342, 4–6.
subangustus, d'Orb. (MODIOLA), Prod. 81.
subarcuatus, d'Orb. (MODIOLA), Prod. 166.
subarcuatus, M. & H. 1856, Proc. Acad. p. 276. Neb. *C.*
subfalcatus, d'Orb. Prod. 166. Fr. *U. G.*

* Schlotheim called this species Mytilites, but it is evident that he meant this genus, since he placed the termination "*ites*," to all the fossil genera, thus, "*Terebratulites, Ostracites*," &c., &c., to distinguish the species from recent ones.

† Typographical error for semistriatus (?).

sublineatus, d'Orb. (MODIOLA), Prod. 81.
subquadratus, Math. Catal. 178, 28, 7. Fr. *C.*
subradiatus, d'Orb. Prod. 246. G. *C.*
subrugosus, d'Orb. (MODIOLA rugosa), Prod. 81.
subsimplex, d'Orb. (MODIOLA), Prod. 81.
tegulatus, Müll. Aach. Kreid. 35, 2, 12. G. *C.*
tetragonus, Reuss, Sp. (MODIOLA), d'Orb. Prod. 246.
tenuitesta, Roem. Kreid. Tex. 55, 7, 13. Tex. *C.*
Tornacensis, d'Arc. (Galliennei), M. G. S. F. 1847, pl. 15, f. 3.
tridens, Fitt. (edentulus), G. T. vol. iv, pl. 17, f. 14.
typicus, Forbes (MODIOLA), G. T. vol. vii, 152, 14, 4.
undulatus, Forbes, Sp. (MODIOLA), d'Orb. Prod. 119.

Mytiloides, Brong. 1822.

labiatus, Brong. (INOCERAMUS problematicus), Env. Paris, pl. 3, f. 4.

NEILO, H. & A. Adams.

Hindii, Meek MS. (**Leda**), Brit. America. *C.*

NEITHEA, Drouet, 1821 (**Janira**, d'Orb. *not Schum.*).

aequicostata, Lam. Sp. (**Pecten**), Gabb, 1861. E., Fr., G., Port. *U. G.*
alata, Von Buch, Sp. (**Pecten**), Gabb, 1861. N. Gren. *N.*
Albensis, d'Orb. Sp. (**Janira**), " " Fr., G. *G.*
Alpina, d'Orb. Sp. " " " Fr. *U. G.*
atava, Roem. Sp. (**Pecten**), " " G., Fr. *N.*
Carantonensis, d'Orb. Sp. (**Janira**), " " Fr. *U. G.*
cometa, d'Orb. Sp. " " " Fr. *U. G.*
decemcostata, d'Orb. Sp. " " " Fr. *C.*
Deshayesiana, Math. Sp. (**Pecten**), " " Fr. *N.*
digitalis, Roem. Sp. " " " Fr., G. *U. G.*
dilatata, d'Orb. Sp. (**Janira**), " " Fr. *U. G.*
Dufrenoyi, d'Orb. Sp. " " " Chili. *N.*
Dutemplei, d'Orb. Sp. " " " Fr. *C.*
Faucignyana, P. & R. Sp. " " " Fr. *G.*
Fleuriausiana, d'Orb. Sp. " " " Fr. *U. G.*
Fontanieri, d'Orb. Sp. " " " India. *C.*

duplicosta, Roem. Sp. (**Pecten**), Gabb, 1859, Cat. Cret. p. 14. Tex. *C.*
Geinitzii, d'Orb. Sp. (**Janira**), Gabb, 1861. G. *C.*
Hispanica, d'Orb. Sp. " " " Spain. *U. G.*
inconstans, Sharpe, Sp. ("**P.** (**Janira**)"), Gabb, 1861. Portugal. *C.*
longicauda, d'Orb. Sp. (**Janira**), Gabb, 1861. Fr. *U. G.*
Makovii, Dubois, Sp. (**Pecten**), " " Russia. *C.*
Mortoni, d'Orb. Sp. (**Janira**), Gabb, 1859, Cat. Cret. p. 14. Fr., N. J., Tenn., Ala., Miss. (Texas.?) *C.*
Neocomensis, d'Orb. Sp. (**Janira**), Gabb, 1861. Fr., G. *N.*
notabilis, Munst. Sp. (**Pecten**), " " G. *U. G.*
occidentalis, Con. 1855, Proc. Acad. p. 269. Texas. *C.*
phaseola, d'Orb. Sp. (**Janira**), Gabb, 1861. Fr. *U. G.*
Podolica, d'Orb. Sp. " " " Crimea. *C.*
quadricostata, Sow. Sp. (**Pecten**), Gabb, 1859, Cat. Cret. p. 14. E., Fr., G., Texas. *C.*
quinquecostata, Sow. Sp. (**Pecten**), Gabb, 1861. E., Fr., S. Africa. *U. G.*
quinquecostata, Morton, Sp. *not Sow.* (Mortoni), Gabb, 1859, Cat. p. 14.
quinquenaria, Con. Sp. (**Pecten**), Gabb, 1861. Del. *C.*
Royeriana, d'Orb. Sp. (**Janira**), " " Fr. *L. G.*
sexangularis, d'Orb. Sp. " " " Fr. *C.*
Simbriskensis, d'Orb. Sp. " " " Russia. *C.*
striato-costata, Goldf. Sp. (**Pecten**), " " G., E. *U. G.*
substriato-costata, d'Orb. Sp. (**Janira**), Gabb, 1861. E., Fr., G., Port. *C.*
Syriaca, Con. Sp. (**Janira**), Gabb, 1861. Syria. *C.*
Texana, Roem. Sp. (**Pecten**), Con. Emory's Rep. 151, 5, 2. Tex. *C.*
Truellei, d'Orb. Sp. (**Janira**), Gabb, 1861. Fr. *C.*
Wrightii, Shum. Sp. " " " Texas. *C.*

NEAERA, Gray, 1842.

Moreauensis, M. & H. (**Corbula**), 1860, Proc. Acad. p. 185. Neb. *C.*
ventricosa, M. & H. " 1860, id. 183. Neb. *C.*

NUCULA, Lam. 1801.

Albensis, d'Orb. P. F. 172, 301, 15–17. Fr. *G.*
Albertina, d'Orb. Voy. Astrol. pl. 2, f. 25, 26. Chili. *C.*
angulata, Sow. (**Leda**), M. Con. 476.

antiquata, Sow. M. Con. 475. E. *U. G.*
apiculata, Sow. G. T. vol. iv, pl. 17, f. 10. E. *U. G.*
Arduennensis, d'Orb. P. F. 174, 302, 4–8. Fr., G. *G.*
bivirgata, Sow. G. T. vol. iv, pl. 17, f. 8. E., G., Fr. *G.*
cancellata, M. & H. Proc. Acad. 1856, p. 85. Neb. *C.*
capsaeformis, Mich. (ovata), M. G. S. F. vol. iii, pl. 12, f. 8.
Carthusiae, P. & R. Env. Genèv. 477, 39, 8. Fr. *G.*
concinna, Sow. G. T. vol. iii, 38, 1. G. *C.*
Cornueliana, d'Orb. Prod. 79. Fr. *N.*
cuneifrons, Con. Jour. Acad. 2d s. vol. iv, 281, 46, 33. Miss. *C.*
crebrilineata, Con. Lynch's Exped. 223, 17, 92–93. Syria. *C.*
distorta, Gabb, Jour. Acad. 2d s. vol. iv, 396, 68, 34. Tenn., Miss. *C.*
equilateralis, M. & H. Proc. Acad. 1856, p. 84. Neb. *C.*
Eufalensis, Gabb (perequalis), Jour. Acad. 2d s. vol. iv, 396, 68, 35.
Evansi, M. & H. (YOLDIA), 1856, Proc. Acad. p. 84.
falcata, Reuss (LEDA), Böhm. Kreid. 8, 24, 31.
gurgitis, P. & R. Env. Genèv. 474, 39, 5. Fr. *G.*
Haydeni, Shum. Trans. Acad. St. Louis, 1860, p. 602. Texas. *C.*
impressa, Sow. M. Con. 475. E., Fr. *U. G., G.*
impressa, d'Orb. *not Sow.* (Cornueliana), P. F. 165, 300, 6–10.
incerta, d'Orb. Am. Merid. p. 85. N. Grenada. *N.*
? indefinita, Forbes, G. T. vol. vii, p. 148. India. *C.*
lineata, Sow. (LEDA), G. T. vol. iv, 241, 17, 9.
lingulata, d'Orb. (LEDA), P. F. 168, 304, 1–3.
margaritacea, Reuss, *not Lam.* (Reussii), Böhm. Kreid. 6, 34, 26–27.
Mariae, d'Orb. (LEDA), P. F. 169, 301, 4–6.
Neckerianus, P. & R. Env. Genèv. 469, 39, 1. Fr. *G.*
obesa, d'Orb. (ISOARCA), P. F. 180, 304, 10–14.
obsoletastriata, M. & H. 1856, Proc. Acad. 275. Neb. *C.*
obtusa, Sow. G. T. vol. iv, 241, 17, 11. E. *U. G.*
obtusa, d'Orb. *not Sow.* (subobtusa), P. F. 163, 300.
ornatissima, d'Orb. P. F. 172, 305, 9–12. Fr. *G.*
ovata, Mant. Geol. Suss. 94, 19, 26. E., G., Fr. *G.*
ovata, Reuss (LEDA), Böhm. Kreid. 8, 34, 25.
pectinata, Sow. M. Con. 192. E., G., Fr. *G.*
pectinata, Reuss, *not Sow.* (striatula), Böhm. Kreid. pl. 34, f. 1–5.
percrassa, Con. Jour. Acad. 2d s. vol. iii, 327, 35, 4. Ala., Miss. *C.*
perequalis, Con. id. vol. iv, p. 281. Ala., Miss., N. J., Tenn. *C.*
perdita, Con. Lynch's Exped. 223, 17, 96. Syria. *C.*
perovata, Con. id. 222, 17, 91. Syria. *C.*

phaseolina, Mich. (L. subrecurva), M. G. S. F. vol. iii, pl. 12, f. 6.
planata, Desh. M. G. S. F. vol. v, pl. 9, f. 3. Fr. *N.*
planimarginata, M. & H. 1856, Proc. Acad. 85. Neb. *C.*
porrecta, Reuss (TELLINA), Böhm. Kreid. 7, 34, 12, 13.
producta, Nilss. (LEDA), P. Suec. 16, 10, 5.
Renauxiana, d'Orb. P. F. 179, 304, 7–9. Fr. *C.*
Reussii, d'Orb. Prod. 243. G. *C.*
scapha, d'Orb. (LEDA), P. F. 167, 301, 1–3.
scitula, M. & H. (YOLDIA), Proc. Acad. 1856, p. 84.
semilunaris, Buch. (LEDA), in Gein. Char. Kreid. 20, 30, 77.
serrata, Shum. 1860, Trans. Acad. St. Louis, p. 603. Tex. *C.*
siliqua, Goldf. (LEDA), Petr. G. 156, 125, 13.
simplex, Desh. M. G. S. F. vol. v, pl. 9, f. 5. Fr. *L. G.*, *N.*
solea, d'Orb. (LEDA), P. F. 170, 304, 4–6.
spathulata, Forbes (LEDA lingulata), Q. J. G. S. vol. i, 245, 3, 4.
striatula, Roem. Nord. Kreid. 68, 8, 26. G. *C.*
subaequalis, Reuss (LEDA), Böhm. Kreid. 8, 34, 23, 24.
subdeltoidea, d'Orb. Prod. 243. G. *C.*
subobtusa, d'Orb. (subrecurva), Prod. 118.
subnasuta, H. & M. (YOLDIA), Mem. Acad. Boston, 2d s. vol. v, 384, 1, 11.
subplana, M. & H. Proc. Acad. 1856, p. 85. Neb *C.*
subrecurva, Phil. Geol. York, 94, 2, 11. E., Fr., G. *L. G.*, *G.*
subtriangulata, Koch. 1837, Beitr. 50, 6, 1. G. *N.*
subtrigona, Roem. (subtriangulata), Nord. Kreid. 68, 8, 25.
tenera, Müll. Aach. Kreid. 17, 2, 1. G. *C.*
tenuirostris, Reuss (LEDA), Böhm. Kreid. 6, 34, 8–10.
Timotheana, P. & R. Env. Genèv. 476, 39, 7. Fr. *G.*
Traskana, Meek, 1857, Trans. Albany Inst. vol. iv, p. 39. Vancouver I. *C.*
undulata, Sow. (LEDA), M. Con. 554.
ventricosa, H. & M. (YOLDIA), Mem. Acad. Boston, vol. v, 385, 11, 1.
Vibrayeana, d'Orb. (LEDA), P. F. 172, 301, 12–14.

OPIS, Defr. 1825.

Annoniensis, d'Arc. M. G. S. F. vol. ii, 305, 14, 10. G. *U. G.*
bella, Con. Jour. Acad. 2d s. vol. iii, 317. *C.*
bicarinata, Con. id. p. 317. *C.*
Coquandiana, d'Orb. P. F. 54, 257, 7–9. Fr. *U. G.*

elegans, d'Orb. P. F. 54, 254, 4–9. Fr. *U. G.*
galeata, Mull. Sp. (**Cardium**), d'Orb Prod. 238. G. *C.*
Guerangeri, d'Orb. P. F. pl. 251 bis, f. 1–4. Fr. *U. G.*
Haleana, d'Orb. Prod. 238. Ala. *C.*
Hugardiana, d'Orb. P. F. 52, 253, 6–8. Fr. *G.*
Ligeriensis, d'Orb. P. F. pl. 257, 6–10. Fr. *U. G.*
lineata, P. & R. Env. Genèv. 434, 32, 2. Fr. *G.*
Neocomensis, d'Orb. P. F. 51, 253, 1–5. E., Fr. *N.*
ornata, Forbes, Sp. (**Isocardia**), d'Orb. Prod. 118. E. *L. G.*
pusilla, Reuss, Böhm. Kreid. 2, 33, 15. G. *C.*
Sabaudiana, d'Orb. P. F. 53, 254, 1–3 & 257–4–6. Fr. *G.*
Truellei, d'Orb. P. F. 56, 255. Fr., G. *C.*
undatus (a), Con. Lynch's Exped. 222, 17, 87. Syria. *C.*

OSTREA, Linn. 1752.

abrupta, d'Orb. Voy. Am. Merid. 93, 21, 4. N. Grenada. *N.*
acutirostris, Nilss. Petr. Suec. 31, 6, 6. Fr., G., Sweden. *C.*
alaeformis, Woodw. (serrata), Geol. Norf. 48, 6, 1–3.
Allobrogensis, P. & R. Env. Genèv. 524, 49, 1. Fr. *G.*
Americana, Desh. (EXOGYRA costata), Enc. Meth. vol. ii, 304.
amorpha, Sow. in Forbes, G. T. vol. vii, 157, 15, 24. India. *C.*
anomiaeformis, Roem. Kreid. Tex. 75, 9, 7. Texas. *C.*
aquila, Brong. Sp. (EXOGYRA), d'Orb. P. F. 706, 470.
Arduennensis, d'Orb. (EXOGYRA), P. F. 711, 472, 1–4.
arietina, Roem. Sp. (EXOGYRA), d'Orb. Prod. p. 257.
auricularis, Goldf. Sp. (EXOGYRA), d'Orb. Prod. p. 256.
bella, Con. Emory's Rep. 156, 10, 4. Texas. *C.*
bellaplicata, Shumard, Trans. Acad. St. Louis, 1860, p. 608. Texas. *C.*
Boussingaultii, d'Orb. (EXOGYRA), P. F. 702, pl. 468.
biauriculata, Lam. An. de Mus. 8, p. 160. G., Fr. *U. G.*
bulla, Sow. Sp. (EXOGYRA), d'Orb. Prod. 84.
canaliculata, Sow. Sp. 1813, *not Sow.* 1816 (EXOGYRA), d'Orb. P. F. 709, 471, 4–8.
Carantonensis, d'Orb. P. F. 713, 473. Fr. *U. G.*
carinata, Lam. Ann. de Mus. vol. viii, 166. Fr., E., G., Texas? *U. G.*
carinata, Math. Forbes, Leym. *pars.* Roem. *pars.* (macroptera), *not Lam.*
columba, Lam. Sp. Desh. (EXOGYRA), Enc. Meth. vol. ii, 302.
confragosa, Con. Jour. Acad. 2d s. vol. iii, 329, 34, 4. Miss. *C.*

congesta, Con. Nicollett's Rep. p. 169. Neb., Mo., Ark. *C.*
conica, Sow. Sp. (EXOGYRA), d'Orb. P. F. 726.
convexa, Say. (G. vesicularis), Am. Jour. Sci. vol. ii, 1st s. p. 42.
clavata, Nilss. (G. vesicularis), P. Suec. 30, 7, 2.
colubrina, Goldf. *not Lam.* (macroptera), P. G. 8, 74, 5.
Couloni, Defr. (EXOGYRA), d'Orb. P. F. 698, pl. 466 and 467.
conirostris, Munst. (acutirostris), in Goldf. P. G. 25, 82, 4.
crepidula, d'Orb. (E. inflata), Voy. Astrol. pl. 8, f. 43, 44.
crenulata, Tuomey, 1855, Proc. Acad. p. 171. Ala. *C.*
crenulimargo, Roem. Kreid. Tex. 76, 9, 6. Texas. *C.*
crenulimarginata, Gabb, J. Acad. 2d s. vol. iv, 398, 68, 40, 41. Tenn. *C.*
cretacea, Morton, Syn. 52, 19, 3. S. Carolina. *
cristacomplicata, Schlot. (frons), Petr. P. 242.
cristagalli, Schlot. (frons), Petr. 240.
cristahastellatus, Schlot. (frons), Petr. 243.
cristaurogalli, Schlot. (larva), Petr. 213.
curvirostris, Nilss. P. Suec. 30, 6, 5. Sw., G. *C.*
denticulifera, Con. Jour. Acad. 2d s. vol. iii, 329, 36, 1–8. Ala., Miss., Tenn. *C.*
diluviana, Lam. 1767, Syst. Nat. p. 114. Fr., G., Sw., Crimea. *C., U. G.*
diluviana, Nilss. *not Lam.* (frons), P. Suec. 32, 6, 1–2.
deltoidea, Lam. (G. vesicularis), Lam. pl. 25, f. 2–5.
doridella, Lam. (larva), An. S. Vert. vol. vi, p. 210.
distorta, Sow. (E. bulla), G. T. vol. iv, 229, pl. 22, f. 21.
falcata, Morton (larva), Synop. 50, 3, 5. (*not Sow.*)
flabella, Goldf. Sp. (E. plicata), d'Orb. P. F. p. 717.
flabelliformis, Nils. (semiplana), P. Suec. 31, 6, 4. Sw, G. *C.*
frons. Park. Org. Rem. 217, 15, 4. E., Fr., G., Sw. *C.*
Galloprovincialis, Math. (Acutirostris), Cat. 193, 32, 8.
Gehrdensis, Roem. (Turonensis), Nord. Kreid. p. 46.
glabra, M. & H. 1857, Proc. Acad. p. 146. Nebraska. *C.*
harpa, Goldf. (frons), P. G. 11, 75, 3.
hemispherica, d'Orb. Prod. (G. cymbrium), Am. Mer. 106, 22, 3–4.
hippopodium, Nilss. P. Suec. 30, 7, 1. G., Fr., Sweden. *C.*
hippopodium, d'Orb. pars, *not Nils.* (Lesueurii), P. F. 731, 481, 4–6.

* It was unfortunate that Dr. Morton should have named this species *Cretacea*, since it has since been proven to be an Eocene fossil. See note under *Conus gyratus*.

inconstans, Dujard. (semiplana), M. G. S. F. vol. ii, p. 229.
incurva, Nilsson (G. vesicularis), P. Suec. 30, 8, 6.
inoceramoides, d'Orb. Am. Merid. p. 94. N. Gren. *N.*
larva, Lam. An. S. Vert. vol. vi, p. 216. E., Fr., G., Sw., India, United States. *C.*
laciniata, Nils. Sp. (EXOGYRA), d'Orb. P. F. 739, 486, 1–3.
lateralis, Nilss. (EXOGYRA), P. Suec. 29, 7, 10.
latirostris, Dubois, Conch. Foss. 74, 8, 15–16. G., Russ. *C.*
Lesueurii, d'Orb. Prod. 171. Fr. *U. G.*
Leymerii, Desh. M. G. S. F. vol. v, 11, 13, 4. Fr. *N.*
lugubris, Con. Emory's Rep. 156, 10, 5. Texas. *C.*
lunata, Nilss. Goldf. Petr. G. pl. 75, f. 2. G. *C.*
macroptera, Sow. M. Con. 468. E., Fr., G. *N., L. G.*
Marshii, Marcou, *not Sow.* (subovata), Geol. N. A. 43, 4, 4. *
Matheroniana, d'Orb. (EXOGYRA), P. F. 737, 485.
megaera, d'Orb. Prod. 294. Fr. *Danien.*
mesenterica, Morton (larva), Synopsis, 51, 9, 7.
Milletiana, d'Orb. P. F. 712, 472, 5–7. Fr., G. *G.*
mirabilis, Rosseau, Voy. Russ. Merid. 797, 5, 1–3. Crimea. *"G. Sand."*
multilirata, Con. Emory's Rep. 156, 12, 1. Texas. *C.*
nasuta, Morton (larva), Synopsis, 51, 9, 6.
Naumani, Reuss (semiplana), B. Kreid. pl. 27, f. 48–53.
Neocomensis, d'Orb. Prod. 84. Fr. *N.*
Normaniana, d'Orb. P. F. 746, 488, 1–3. Fr. *C.*
panda, Morton, Syn. 51, 3, 6. N. J., Del., Ala. *C.*
patina, M. & H. 1856, Proc. Acad. p. 227. Neb. *C.*
peculiaris, Con. Jour. Acad. 2d s. vol. iii, 329, 36, 7. Ala. *C.*
pes-leonis, Forbes (Santonensis), G. T. vol. vii, 156, 18, 5.
pectinata, Goldf. *not Roem.* (carinata), P. G. 9, 74, 7.
pectinata, Roem. *not Goldf.* (macroptera), N. Kreid. p. 45.
plicata, Nilss. (semiplana), P. Suec. 31, 7, 12.
plicatuloides, Leym. M. G. S. F. 2d s. vol. iv, 195, pl. a, f. 17. Fr., N. J. ?† *C.*
plumosa, Morton, Syn. 51, 3, 9. N. J., Ala., Miss., Tenn. *C.*

* Incorrectly referred to the Jurassic.

† I have, in my collection, five lower valves of a small species of oyster so near this species, that I can find no difference of sufficient value to found even a variety. I have never seen the upper valve, but, should it agree with M. Leymerie's figures as well as the lower ones, it will remove all doubt of their specific identity. My specimens are from near Mullica Hill, New Jersey.

ponderosa, Roem. Sp. (EXOGYRA costata), d'Orb. Prod. 256.
Ponticeriana, d'Orb. (larva), Voy. Astrol. pl. 5, 45–46.
praelonga, Sharpe, Q. J. G. S. vol. vi, 187, 20, 4. Portugal. "*Lower Cret.*"
prionota, Goldf. (frons), P. G. 10, 74, 8.
prionota, Forbes, *not Goldf.* (macroptera), Q. J. G. S. p. 250.
Proteus, Reuss, Böhm. Kreid. 41, 27, 12–27. G. *C.*
proboscidea, d'Arc. (G. vesicularis), M. G. S. F. vol. v, 84, 11, 9.
pseudochama, Desh. (G. vesicularis), Enc. Meth. vol. ii, 292.
quadriplicata, Shum. Trans. Acad. St. Louis, 1860, p. 608. Texas. *C.*
Rauliniana, d'Orb. (EXOGYRA), P. F. 708, 471, 1–3.
rectangularis, Roem. (macroptera), Ool. Nach. 24, 18, 15.
Ricordeana, d'Orb. Prod. 171. Fr. *U. G.*
retusa, Sow. G. T. vol. iv, pl. 14, f. 4. E. *L. G.*
Santonensis, d'Orb. P. F. 736, 484. Fr. *C.*
semiplana, Sow. M. Con. 489. E., Fr., G., Sw. *C.*
scolopendra, Lam. (carinata), An. S. Vert. vol. ii, 216.
serrata, Goldf. *not Defr.* (frons), P. G. 10, 74, 9.
serrata, Defr. *not Goldf.* (carinata), Dict. Sc. Nat.
similis, Galeotii, *not Pusch.* (subsimilis), Bull. Acad. Brux. vol. vii, p. 3, f. 3.
spinosa, Roem. (E. plicata), Ool. 58, 33.
subcomplicata, Roem. (macroptera), Ool. Nach. p. 24.
subinflata, d'Orb. (E. inflata), Prod. 256.
subovata, Shum. Marcy's Rep. 505, 5, 2. Texas, Ark. *C.*
subsimilis, d'Orb. Prod. 257. Mexico. *C.*
subspatulata, Forbes, G. T. vol. i, p. 61. N. J., Ala., Miss., Tex. *C.*
subsquamata, d'Orb. (E. squamata), Prod. 108.
subvirgata, Gabb, 1861 (*virgata* Sow.). E. *C.*
sulcata, Blum. (semiplana), Spec. Arch. Tellur. pl. 1, f. 3.
tecticosta, Gabb, Jour. Acad. 2d s. vol. iv, 403, 68, 47, 48. Tenn., N. J. *C.*
tegulacea, Forbes (larva), G. T. vol. vii, 156, 18, 6.
Tombeckiana, d'Orb. (EXOGYRA), P. F. 701, 467, 4–6.
torosa, Morton (E. costata *deformed*),* Syn. 52, 10, 1.
robusta, Con. Emory's Rep. 156, 11, 3. Texas. *C.*
translucida, M. & H. 1857, Proc. Acad. p. 147. Neb. *C.*
Turoniensis, Duj. Sp. (**Vulsella**), d'Orb. P. F. 748, 479, 4–7. F., G. *C.*

* See note under Exogyra.

ungulatus, Schlot. (larva), Petrif. 242.
Urgonensis, d'Orb. Prod. 108. Fr. *N.*
vesicularis, Lam. (GRYPHAEA), An. de Mus. vol. viii, 160, 22, 3.
vesicularis, var. Goldf. (G. biauriculata), P. G. pl. 81, f. 2.
virgata, Sow. *not Goldf.* (subvirgata), D. Geol. Suss. 348, 17, 1.
vomer, Mort. Sp. (E. lateralis), d'Orb. Prod. 257.
vellicata, Con. Emory's Rep. 156, 11, 2. Texas. *C.*
Wegmanniana, d'Orb. P. F. 749, 488, 6, 8. Fr. *C.*

Ostracites, Auct. Olim.

auricularis, Vahlenb. (Exogyra haliotoidea), in Petr. Suec. p. 58.
angeioides, Picot de la Peyrouse (RADIOLITES), Descr. d'Orhoc. pl. 12, f. 13.

Pachites.

spinosus, Defr. (SPONDYLUS), Dict. Sc. Nat. 37, p. 207.
striatus, Defr. (SPONDYLUS), id. 37, p. 202.

Pachymya, J. Sow. 1826 (PHOLADOMYA, Sow. 1826).

Austinensis, Shum. (PHOLADOMYA), Trans. Acad. St. Louis, 1860, p. 604.
gigas, Sow. (PHOLADOMYA), M. Con. 504–505.

PANOPAEA, Menard. 1807.

acutisulcata, Desh. Sp. (**Pholadomya**), d'Orb. P. F. 336, 357, 1–3. Fr., G. *G.*
Albertina, d'Orb. Prod. 73. Fr. *N.*
Arduennensis, d'Orb. P. F. 338, 358, 1–2. Fr. *G.*
Astieriana, d'Orb. P. F. 342, 359, 3–4. Fr. *U. G.*
arcuata, d'Orb. (rostrata *per err.*), P. F. 355, 3–4.
Beaumontii, Munst. (mandibula), Goldf. pl. 158, f. 4.
Carteroni, d'Orb. P. F. 332, 355, 1–2. Fr. *N.*
Constantii, d'Orb. P. F. 339, 358, 3–4. Fr. *G.*
Cottaldina, d'Orb. P. F. 330, 354, 1–2. Fr. *N.*
cretacea, Math. Sp. (**Lutraria**), d'Orb. Prod. 233. Fr. *C.*
cretacea, Tuomey, *not d'Orb.* (Tuomeyi), 1855, Proc. Acad. p. 170.
decisa, Con. (GLYCIMERIS), Jour. Acad. 2d s. vol. ii, 215, 24, 19.
Dupiniana, d'Orb. P. F. 338, 353, 1–2. Fr. *N.*

elatior, d'Orb. P. F. 346, 361, 1–2. Fr. *U. G.*
elongata, Roem. 1841, *not R.* 1838 (Roemeri), Nord. Kreid. 75, 10, 5.
Ewaldi, Reuss, Böhm. Kreid. 17, 36, 1. G. *C.*
Goldfussii, d'Orb. Prod. 233. G. *C.*
gurgitis, Brong. Sp. (**Lutraria**), d'Orb. P. F. 345, 361, 1–2. Fr. *U. G.*
gurgitis, Goldf. *not d' Orb.* (Goldfussii), P. Germ. 274, 153, 7.
inaequivalvis, d'Orb. P. F. 340, 358, 5–7. Fr., G. *G.*
irregularis, d'Orb. P. F. 326, 352, 1–2. Fr. *N.*
laeviuscula, Sow. Sp. (**Mya**), d'Orb. Prod. 157. E. *U. G.*
lata, Agas. Sp. (**Myopsis**), d'Orb. Prod. 73. G. *N.*
mandibula, Sow. Sp. (**Mya**), d'Orb. P. F. 344, 360, 3–4. E., Fr. *U. G.*
Massiliensis, Math. Sp. (**Lutraria**), d'Orb. Prod. 73. G. *N.*
Neocomensis, Leym. Sp. (**Pholadomya**), d'Orb. P. F. 329, 355, 3–8. Fr. *L. G., N.*
Newberryi, Shum. Trans. Acad. St. Louis, 1860, p. 605. Texas. *C.*
Normaniana, d'Orb. Prod. 233. Fr. *C.*
obliqua, d'Orb. P. F. 327, 352, 3–4. Fr. *N.*
Occidentalis, M. & H. 1856, Proc. Acad. p. 270. Neb. *C.*
Orientalis, Forbes, G. T. 2d s. vol. vii, 139, 17, 4. India. *C.*
ovalis, Sow. in Fitt. G. T. 2d s. vol. iv, pl. 16, f. 5. E. *U. G.*
plicata, Sow. M. Con. 419. E., Fr., G. *G., L. G.*
plicata, Goldf. *not Sow.* (gurgitis), G. G. 274, 158, 5.
Prevostii, Desh. Sp. (**Pholadomya**), d'Orb. P. F. 334, 356, 3–4. Fr. *L. G., N.*
recta, d'Orb. P. F. 334, 356, 1–2. Fr. *N.*
regularis, d'Orb. P. F. 343, 360, 1–2. Fr. *C.*
Ringmeriensis, Mant. Sp. (**Venus**), d'Orb. Prod. 157. E. *U. G.*
Robinaldina, d'Orb. P. F. 331, 354, 3–5. Fr. *N.*
Roemeri, d'Orb. Prod. 157. G. *U. G.*
rostrata, Math. Sp. (**Lutraria**), d'Orb. P. F. 335, 355, 3, 4. Fr. *N.*
rotundata, Sow. (LYONSIA subrotundata), G. T. vol. iv, 129, 13, 2.
Sabaudiana, P. & R. Env. Genêv. 401, 28, 4. Fr. *G.*
scaphoides, Agas. Sp. (**Myopsis**), d'Orb. Prod. 73. G. *N.*
striata, d'Arc. Sp. (substriata), d'Orb. P. F. 341, 359, 1–2. *not Munst.*
subparallela, Shum. 1860, Trans. Acad. St. Louis, p. 605. Texas. *C.*
substriata, d'Orb. Prod. 157. Fr. *U. G.*

Texana, Shum. Marcy's Rep. 207, 6, 1. Texas. *C.*
Tuomeyi, Gabb (*cretacea T. not d' Orb.*), 1861. Ala. *C.*
Urgonensis, Math. Sp. (**Lutraria**), d'Orb. Prod. 73. Fr. *N.*
Voltzii, Math. Sp. (**Lutraria**), d'Orb. Prod. 73. Fr. *N.*

PECTEN, Gualt. 1742.*

aequicostatus, d'Orb. Sp. (NEITHEA), Sow. Dix. Geol. Suss. 356, 28, 17.
actinodus, Goldf. P. Germ. 52, 91, 12. G. *C.*
affinis, Reuss, *not Risso.* (subaffinis), B. Kreid. 22, 39, 11.
alatus, Von Buch. (NEITHEA), Petr. Rec. par Humb. 3, 1, 1.
Alpinus, d'Orb. P. F. 586, 430, 4–6. Fr. *N.*
Aptensis, d'Orb. (interstriatus), Prod. 119.
Archiacianus, d'Orb. P. F. 583, 429, 7–10. Fr. *N.*
arcuarius, Goldf. *not Sow.* (divaricatus), P. Germ. pl. 91, f. 6.
arcuatus, Sow. M. Con. 205. E., Fr., Sw. *U. G.*
arcuatus, Nils. *not Sow.* (concentrice-punctatus), P. Suec. pl. 9, f. 14.
arcuatus, Roem. Goldf. *not Sow.* (virgatus).
asper, Lam. An. S. Vert. vol. vi, 186. E., Fr., G. *U. G.*
astellus, Sow. Dixon's Geol. Suss. 348, 28, 5. E. *C.*
Astierianus, d'Orb. Prod. 83. Fr. *N.*
argillensis, Con. Jour. Acad. 2d s. vol. iv, p. 283. Ala. *C.*
atavus, Roem. (NEITHEA), Ool. 29, 18, 21.
Barbesillensis, d'Orb. P. F. 611, 437, 5–8. Fr. *C.*
Beaveri, Sow. M. Con. 158. E. *U. G.*
Brongniartii, d'Arc. (subacutus), Tourtea. pl. 16, f. 4–5.
Burlingtonensis, Gabb, Jour. Acad. 2d s. vol. iv, 304, 48, 25. N. J., (Ala. ?). *C.*
calcatus, d'Orb. (calvatus), Prod. 253. Eocene, see note.
Calypso, d'Orb. Prod. 169. Fr. *U. G.*
Campaniensis, d'Orb. P. F. 620, 440, 12–16. Fr. *C.*
Carteronianus, d'Orb. P. F. 589, 431, 5–6. Fr. *N.*
Cenomanensis, d'Orb. P. F. 603, 434, 11–14. Fr. *U. G.*
Chiliensis, d'Orb. Voy. Astrol. pl. 5, f. 31, 32. Chili. *C.*

* P. anatipes, Morton, Syn. Cret. 58, 6, 4.
P. calvatus, M. id. 58, 10, 3.
P. membranosus, M. id. 59, 10, 4.
P. perplanus, M. id. 58, 5, 5.
P. Poulsoni, M. id. 59, 19, 2.
} These species, described by Dr. Morton as Cretaceous, belong to the Eocene.

cicatrisatus, Goldf. P. Germ. 56, 93, 6. G. *C.*
cinctus, Roem. *not Sow.* (crassitesta), Nord. Kreid. p. 50.
circularis, Goldf. id. 76, 99, 10. G. *C.*
circularis, Forbes, *not Goldf.* (crassitesta), Q. J. G. S. vol. i, p. 242.
comans, Roem. (elongatus), id. 51, 8, 6.
complicatus, Goldf. P. Germ. 51, 91, 11. G. *C.*
compositus, Sow. G. T. vol. iv, pl. 17, f. 20. E. *U. G.*
concentrice-punctatus, Reuss, Böhm. Kreid. 28, 39, 8. G. *C.*
Coquandianus, d'Orb. P. F. 591, 432, 1–3. Fr. *N.*
Cottaldinus, d'Orb. P. F. 590, 431, 7–11. Fr. *N.*
crassitesta, Roem. Nord. Kreid. p. 27. E., Fr., G. *N.*
craticula, Morton, Syn. p. 57. N. J.. *C.*
cretosus, Defr. Dict. Sc. Nat. p. 267, pl. 38. E., Fr., G. *C.*
cretosus, Goldf. *not Defr.* (crispus), P. G. 58, 94, 2.
crispus, Roem. Nord. Kreid. p. 51. G. *U. G.*
curvatus, Gein. (undulatus), Nacht. Sachs. Kreid. 16, 3, 13.
Darius, d'Orb. Prod. 139. Fr. *G.*
declavatus, Reuss, Böhm. Kreid. 35, 38, 19. G. *C.*
decemcostatus, Munst. in Goldf. pl. 92, f. 2. G. *U. G.*
decipiens, Reuss, Böhm. Kreid. 31, 45, 3. G. *C.*
dentatus, Nilss. (subacutus), P. Suec. 20, 10, 9.
depressus, Munst. in Goldf. pl. 92, f. 4. G. *C.*
Deshaysiana, Math. *not Deshayesii*, *Nyst.* (NEITHEA), Cat. 184, 29, 11–12.
digitatus, Roem. Gein. (NEITHEA), Char. Kreid. p. 21.
divaricatus, Reuss, Böhm. Kreid. 28, 39, 6. G. *C.*
Dufrenoyi, d'Orb. (N. alata), Am. Merid. 106, 22, 5–9.
Dujardini, d'Orb. P. F. 615, 439, 5–11. E., G., Fr. *C.*
duplicosta, Roem. (NEITHEA), Kreid. Tex. 65, 8, 2.
Dutemplei, d'Orb. P. F. 596, 423, 10–13. E., Fr., Port. *G.*
delumbis, Con. Lynch's Exped. 225, 19, 110. Syria. *C.*
elongatus, Lam. An. S. Vert. vol. vi, 181. Fr., E. *U. G.*
Espaillaci, d'Orb. P. F. 614, 439, 1–4. Fr. *C.*
Faujasii, Defr. in Goldf. P. G. 53, 93, 7. G. *C.*
Galliennei, d'Orb. P. F. 608, 436, 5–8. Fr. *U. G.*
Girondinus, d'Orb. Prod. 251. Fr. *C.*
Goldfussii, Desh. M. G. S. F. vol. v, 10, 8, 9. Fr., G. *N.*
granulifer, Reuss, Böhm. Kreid. 28, 39, 9. G. *C.*
granulatus, d'Orb. Voy. Astrol. pl. 5, 29, 30. Chili. *C.*
Hallii, Gabb, 1861 (rigida, H. & M. *not Sow.*). Neb. *C.*
hispidus, Goldf. P. G. 59, 94, 4. G. *U. G.*

P. (**Janira**) *inconstans*, Sharpe (NEITHEA), Q. J. G. S. vol. vi, 188, 19, 3.
interstriatus, Leym. *not Munst.* (Aptensis), M. G. S. F. vol. v, p. 10.
inversus, Nilss. (subsquamula), P. Suec. pl. 9, f. 18.
jugosus, Sow. Dix. Geol. Suss. 347, 28, 26. E. *C.*
laminosus, Mant. (orbicularis), Geol. Suss. 26, 8, 22.
lens, Goldf. *not Sow.* (striato-punctatus), P. G. 49, 91, 3.
Leymerii, Desh. Sp. (HINNITES), d'Orb. P. F. 581, 428.
lineato-costatus, Roem. Nord. Kreid. p. 55. G. *N.*
Lusitanicus, Sharpe, Q. J. G. S. vol. vi, 189, 24, 3. Port. "*Lower Cret.*"
Makovii, Dub. (NEITHEA), Conch. Foss. 70, 8, 12.
Mantellianus, d'Orb. P. F. 619, 440, 8–11. Fr., E. *C.*
Marrotianus, d'Orb. P. F. 612, 438, 1–6. Fr. *C.*
Martinianus, d'Orb. Prod. 107. Fr. *N.*
Matheronianus, d'Orb. Prod. 107. Fr. *N.*
Matronensis, d'Orb. P. F. 620, 440, 17–18. Fr. *C.*
membranaceus, Nilss. (orbicularis), P. Suec. 23, 9, 16.
Mississippiensis, Con. Jour. Acad. 2d s. vol. iv, p. 283. Miss. *C.*
Millerii, Sow. G. T. 2d s. vol. iv, pl. 17, f. 19. E. *U. G.*
miscallus, Münst. Goldf. P. G. 51, 91, 8. G. *C.*
multicostatus, Nils. P. Suec. p. 21. G., Sw. *C.*
muricatus, Goldf. *not Riss.* (submuricatus), P. G. pl. 93, f. 9.
Nebrascensis, M. & H. 1856, Proc. Acad. p. 87. Neb. *C.*
Neptuni, d'Orb. Prod. 169. Fr. *U. G.*
Nilssoni, Goldf. *not Desh.* P. Germ. pl. 99, f. 3. G., Sw., Fr., Texas. *C.*
nitidus, Sow. M. Con. 394. E. *C.*
nitida, Mant. (cretosus), Geol. Suss. 202, 26, 4.
notabilis, Münst. (NEITHEA), Goldf. pl. 93, f. 3.
obliquus, Sow. M. Con. 370. E., Fr. *U. G.*
obliquus, Reuss (Reussii), B. Kreid. 29, 39, 18.
obliquus, Forbes (Robinaldinus), Q. J. G. S. vol. i, 249.
obrutus, Con. Lynch's Exped. 225, 19, 114. Syria. *C.*
orbicularis, Sow. M. Con. 193. E., Fr., G. *U. G.*
orbicularis, Nilss. (Nilssoni), P. Suec. 23, 10, 12.
orbicularis, Roem. Leym. Forbes, *not Sow.* (Cottaldinus).
Palassoni, Leym. M. G. S. F. vol. iv, 194, pl. B. f. 1. Fr. *C.*
Passyi, d'Arc. M. G. S. F. vol. ii, 309, 15, 9. G. *U. G.*
Podolica, d'Orb. (NEITHEA), d'Orb. Russ. Merid. 440, 6, 21–24.
proboscideus, d'Orb. Prod. 107. Fr. *N.*

ptychodes, Goldf. P. Germ. 56, 93, 4. G. *C.*
pulchellus, Nils. P. Suec. pl. 9, f. 12. G., Sw. *C.*
pulchellus, Goldf. *not Nilss.* (subpulchellus), P. G. pl. 91, f. 9.
Puzosianus, Math. Catal. 183, 30, 1–3. G., Fr. *C.*
quadricostatus, Sow. (NEITHEA), M. Con. 56.
quinquecostatus, Sow. (NEITHEA), M. Con. pl. 56.
quinquecostatus, Morton, *not Sow.* (N. Mortoni), Syn. 51, 19, 1.
quadricostata, Roem. *pars.* (N. Occidentalis), K. Tex. 64, 8, 4.
quinquenaria, Con. (NEITHEA), Jour. Acad. 2d s. vol. ii, 275, 24, 10.
rarispinus, Reuss, Böhm. Kreid. 31, 39, 15. G. *C.*
Raulinianus, d'Orb. P. F. 595, 433, 6–9. E., Fr., G. *G.*
Reussii, d'Orb. Prod. 252. G. *C.*
Rhodani, P. & R. Env. Genèv. 509, 46, 1. Fr. *G.*
Rhotomagensis, d'Orb. P. F. 609, 436, 9–11. Fr., G. *U. G.*
rigida, H. & M. *not Sow.* (Hallii), Mem. Acad. Bost. 381, 2, 4, vol. v.
Robinaldinus, d'Orb. P. F. 587, 431, 1–4. Fr. *N.*
Royanus, d'Orb. P. F. 613, 438, 7–12. Fr. *C.*
Saxoneti, P. & R. Env. Genèv. 513, 46, 5. Fr. *G.*
septemplicatus, Nilss. P. Suec. pl. 10, f. 8. G., Sw. *C.*
septemplicatus, Duj. *not Nilss.* (Dujardinii), M. G. S. F. vol. ii, 227, 16, 11.
seriato-punctatus, Münst. Goldf. P. G. pl. 92, 1. G. *C.*
serratus, Nilss. P. Suec. 20, 9, 9. Sw., G., Crimea. *U. G.*
Simbriskensis, d'Orb. (NEITHEA), Murch. Geol. Russ. 491, 43, 11–14.
simplicius, Con. Jour. Acad. 2d s. vol. iv, 283, 46, 44. Ala., Miss., Tenn., N. J.* *C.*
spathulaeformis, Reuss, Böhm. Kreid. 28, 39, 10. G. *C.*
spathulatus, Roem. Nord. Kreid. 50, 8, 5. G. *C.*
spurius, Münst. Goldf. P. Germ. pl. 91, f. 10. G. *C.*
squammifer, Gein. Char. Kreid. pl. 21, f. 5. G. *U. G.*
squamula, Roem. *not Lam.* (subsquamula), Nord. K. p. 50.
squamulosus, Duj. *not Riss.* (Cenomanensis), M. G. S. F. vol. ii, 227, 16, 12.
striato-costatus, Goldf. (NEITHEA), P. Germ. 93, f. 2, a, b.
striato-punctatus, Roem. Nord. Kreid. p. 27. Fr., G. *L. G., N.*
Stutchburyensis, Sow. G. T. vol. iv, pl. 18, f. 1. E. *U. G.*

* Common everywhere in connection with the "Ripley Group;" but I have never seen it outside of that bed.

subacutus, Lam. An. S. Vert. vol. vi, 181. Fr., G. *U. G.*
subaffinis, d'Orb. Prod. 252. G. *C.*
subaratus, Nilss. P. Suec. pl. 9, f. 11, G., Sw. *C.*
subdepressus, d'Arc. M. G. S. F. 2d s. vol. ii, 310, 16, 1–2. G. *C.*
subgranulatus, Münst. Goldf. P. G. pl. 93, f. 5. G. *C.*
subinterstriatus, d'Arc. (Rhotomagensis), M. G. S. F. vol. ii, 311, 15, 10.
submuricatus, d'Orb. Prod. 251. G. *C.*
subpulchellus, d'Orb. Prod. 252. G. *C.*
subsquamula, d'Orb. Prod. 253. G. *C.*
subvirgatus, d'Orb. Prod. 253. India. *C.*
ternatus, Münst. Goldf. P. G. pl. 91, f. 13. G. *C.*
Texanus, Gabb, 1861 (*virgatus*, Roem. *not Nils.*). Texas. *C.*
trigeminatus, Roem. Nord. Kreid. p. 53. G. *C.*
triplicata, Mant. (N. Dutemplei), Geol. Suss. 128, 25, 9.
tumidus, Dujard. (N. phaseola), M. G. S. F. vol. ii, pl. 16, f. 13.
undulatus, Nilss. P. Suec. 21, 10, 10. Russ., Sw., G. *C.*
undulatus, Nilss. *pars.* (cretosus), id. 21, 9, 10.
venustus, Morton, Syn. 58, 5, 7. N. J. *C.*
Verdachallensis, Forbes, G. T. 2d s. vol. vii, 154, 14, 5. India. *C.*
versicostatus, Lam. (N. quinquecostata), An. S. Vert. vol. vi, 181.
versicostatus, Math. (N. atara), Cat. 185.
virgatus, Nils. P. Suec. 22, 9, 15. Fr., G., Sw. *U. G.*
virgatus, Forbes (subvirgatus), G. T. vol. vii, 154, 15, 22.
virgatus, Roem. *not Nils.* (Texanus), K. Tex. 66, 8, 5.

Pectinites, Schlot.

aculeatus, Schlot. (SPONDYLUS spinosus), Petr. 228, 18.

Pectunculina, d'Orb. 1843 (LIMOPSIS, Sassi, 1835).

complanata, d'Orb. (L.), P. F. 184, 305, 5–8.
Guerangeri, d'Orb. (L.), P. F. 183, 305, 1–4.
parvula, M. & H. (L.), 1856, Proc. Acad. 86.

PAPYRIDEA, Swains. 1840.

bella, Con. Jour. Acad. 2d s. vol. iii, p. 326. Miss. *C.*

Cornueliana, d'Orb. Sp. (**Cardium**), Gabb, 1861. Fr. *L. G.*, *N.*
aequivalvis, Goldf. Sp. (**Corbula**), Gabb, 1861. G., Fr., India. *C.*
*elegantula, Roem. Sp. (**Cardium**), Gabb, 1861. Tex., N. J., Ala., Miss. *C.*
Subdinnensis, d'Orb. Sp. (**Cardium**), Gabb, 1861. Fr *U. G.*

Pectunculus, Lam. 1801 (AXINAEA, Poli, 1791).

alternatus, d'Orb. (AXINAEA), P. F. 188, 306, 7–11.
australis, Morton, *not Quoy*. 1833 (A. subaustralis), Syn. 1834, p. 64.
Bourgeoisianus, d'Orb. (AXINAEA), Prod. 196.
brevirostris, Reuss (A. Reussii), Böhm. Kreid. 9, 35, 12.
clavus, Sow. (AXINAEA), G. T. vol. iii, pl. 38, f. 2.
decussatus, Roem. (A. subdecussata), Nord. Kreid. p. 69.
Geinitzii, d'Orb. (AXINAEA), Prod. 196.
hamula, Morton (AXINAEA), Syn. Cret. 64, 15, 7.
Hoeninghausii, Mull. (LIMOPSIS), Aach. Kreid. 18, 1, 6.
Heberianus, P. & R. (AXINAEA), Env. Genèv. 468, 38, 5.
insculptus, Reuss (AXINAEA), Böhm. Kreid. 8, 35, 5.
laevis, Gein. *not Sow.* (A. Geinitzii), Charakt. Kreid.
lens, Nilss. (AXINAEA), Petrif. Suec. pl. 5, f. 4.
Marrotianus, d'Orb. (AXINAEA), P. F. 192, 307, 13, 16.
Marullensis, Leym. (AXINAEA), M. G. S. F. vol. vii, pl. 9, f. 2.
obsoletus, Goldf. (A. sublaevis), P. Germ. pl. 126, f. 4.
planus, Roem. (A. clava), Nord. K. 69, 8, 24.
Renauxianus, d'Orb. (AXINAEA), P. F. 191, 307, 7–12.
Requienianus, d'Orb. (AXINAEA), P. F. 190, 307, 1–6.
reticulatus, Reuss (AXINAEA), Böhm. Kreid. 8, 35, 7–8.
Reussii, d'Orb. (AXINAEA), Prod. 164.
Siouxensis, H. & M. (AXINAEA), 1855, Mem. Acad. Bost. 2d s. vol. v, 381, 1, 12.
spinescens, Reuss (AXINAEA), B. Kreid. 9, 35, 6.
subauriculatus, Forbes (AXINAEA), G. T. vol. vii, 150, 17, 13.
subconcentricus, Lam. (AXINAEA), Anim. S. Vert. vol. vi, p. 56.

* I place this species in this genus, because Mr. Conrad has informed me that it has the hinge of a true PAPYRIDEA, and not that of PHOLADOMYA, as believed by d'Orbigny. Specimens found in the "Ripley Group," a deposit resembling somewhat the Speeton Clay of England in its lithological characters, have enabled him to ascertain without doubt the true generic relations of these beautiful shells.

subdecussatus, d'Orb. (AXINAEA), Prod. 243.
subimbricatus, M. & H. (AXINAEA), 1857, Proc. Acad. p. 146.
sublaevis, Sow. *not Goldf.* (AXINAEA), M. Con. 472.
sublaevis, Goldf. *not Sow.* (A. lens), P. Germ. pl. 126, f. 3.
subsulcatus, d'Orb. (AXINAEA), Prod. 243.
sulcatus, Roem. *not Defr.* (A. subsulcatus), Nord. Kreid. 69, 8, 23.
Ventricosus, Gein. (AXINAEA), Charakt. Kreid. 77, 20, 20.

PERIPLOMA, Schum. 1817.

applicata, Con. Jour. Acad. 2d s. vol. iii, p. 324. Miss. *C.*
Colombiana, d'Orb. (**Anatina**), Prod. 105. N. Gren. *N.*
Neocomensis, d'Orb. P. F. 381, 372, 3–4. Fr. *N.*
Robinaldina, d'Orb. P. F. 380, 372, 1–2. Fr. *N.*
Sapho, d'Orb. Prod. 158. Fr. *U. G.*
Sabaudiana, P. & R. Env. Genèv. 112, 29, 5. Fr. *G.*
simplex, d'Orb. P. F. 382, 372, 5–6. Fr. *G.*

PERNA, Brug. 1791.

alaeformis, Sow. (GERVILLIA), M. Con. 243.
cretacea, Reuss, Böhm. Kreid. 24, 32, 18–20. G. *U. G.*
? fragilis, Sharpe, Q. J. G. S. vol. vi, 189, 18, 4. Portugal. *C.*
lanceolata, Gein. Char. Kreid. 80, 21, 18. G., Fr., Port. *U. G.*
Lusitanica, Sharpe, Q. J. G. S. vol. vi, 189, 23, 7–8. Port. "*L. Cret.*"
Marticensis, Math. Catal. 176, 27, 1–2. Fr. *C.*
Muletii, Desh. M. G. S. F. vol. v, pl. 11, f. 1. E., Fr., G. *N.*
polita, Sharpe, Q. J. G. S. vol. vi, 190, 24, 1–2. Port. "*Lower Cret.*"
Rauliniana, d'Orb. P. F. 497, 401, 4–5. Fr., G. *G.*
Ricordeana, d'Orb. P. F. 494, 399, 1–3. Fr. *N.*
rostrata, Sow. G. T. vol. iv, pl. 17, f. 17. E. *U. G.*
Royana, d'Orb. P. F. 449, 402, 4–5. Fr. *C.*
subspathulata, Reuss, B. Kreid. 24, 32, 16–17. G. *U. G.*

PETRICOLA, Lam. 1801.

canaliculata, Sow. (CARDIUM), G. T. vol. iv, pl. 18, f. 11.
nuciformis, Sow. (CARDIUM), id. pl. 16, f. 10.
Rhodani, P. & R. Env. Genèv. 417, 29, 8. Fr. *G.*

PHARELLA.

? Dakotensis, M. & H. (**Solen**), 1860, Proc. Acad. 425. Neb. *C.*

PHOLADOMYA, Sow. 1826.

S. G. *Anatimya*, Con. 1860.

aequivalvis, Goldf. Sp. (PAPYRIDEA), d'Orb. Prod. 234. G., Fr., India. *C.*
Agassizii, d'Orb. P. F. 352, 362, 1–3. Fr. *N.*
Albina, Reiche, Roem. Nord. K. 75, 10, 7. G. *U. G.*
alta, Roem. Sp. (**Homomya**), Gabb, 1861. Tex. *C.*
acutisulcata, Desh. (PANOPAEA), M. G. S. F. vol. v, pl. 3, f. 2.
alternans, Roem. Nord. Kreid. p. 6. G. *N.*
Americana, M. & H. (**Goniomya**), 1856, Proc. Acad. 283. Neb. *C.*
(*S. Gen.* A.) anteradiata, Con. Jour. Acad. vol. iv, 276, 46, 3. Miss. *C.*
Archiaciana, d'Orb. P. F. 356, 364, 3–4. Fr. *C.*
*Austinensis, Shum. Sp. (**Pachymya**), Gabb, 1861. Texas. *C.*
biplicata, Gein. Char. Kreid. 21, 17, 75. G. *U. G.*
borealis, Meek, 1857, Trans. Alb. Inst. p. 41. Vancouver I. *C.*
Carantoniana, d'Orb. (Esmarckii), P. F. 357, 365, 1–2.
caudata, Agas. Sp. (**Goniomya**), d'Orb. Prod. 74. G. *N.*
caudata, Roem. (aequivalvis), Nord. Kreid. pl. 10, f. 8.
connectans, Forbes, G. T. vol. vii, 140, 17, 5. India. *C.*
cordiformis, Desh. Leym. M. G. S. F. 1842, 3, 3, 3. Fr. *U. G.*
Cornueliana, d'Orb. (PAPYRIDEA), Prod. 105.
designata, Goldf. Sp. (**Lysianassa**), Reuss, B. K. p. 18. G. *C.*
designata, Gein. (Geinitzii), d'Orb. Prod. 194.
Dutempleana, d'Orb. Prod. 135. Fr. *G.*
elegantula, E. & S. 1855, Proc. Acad. p. 164 (*not P.* (**Cardium**) *elegantula*, Roem.), Vancouver I. *C.*
elliptica, Ring. in Goldf. 273, 158, 1. G., Fr., Port. *C.*
elongata, Munst. Goldf. P. G. 270, 157, 3–6. E., Fr., G. *N.*

* This species can hardly be the same as *P. gigas*, Sow. Sp., as Dr. Shumard thinks probable, since, besides the slight but constant difference in form, *P. gigas* is peculiar to the upper green sand, while the American species belong to the chalk.

Esmarkii, Pusch. Goldf. id. 272, 157, 10. G. *C.*
Favrina, Agas. Etud. Crit. 59, 1–12. Fr. *G.*
? fibrosa, M. & H. (**Avicula**), Proc. Acad. 1856, p. 283. Neb. *C.*
Geinitzii, d'Orb. Prod. 194. G. *C.*
Genevensis, P. & R. Env. Genèv. 405, 29, 2. Fr. *G.*
gigantea, Sow. Sp. (CORBULA), d'Orb. Prod. 157.
gigas, Sow. Sp. (**Pachymya**), d'Orb. P. F. 359, 366. Fr., E. *U. G.*
Kasimiri, Pusch. Polens. Pal. 88, 8, 13. Poland. *C.*
laevis, Agas. Sp. (**Goniomya**), d'Orb. Prod. 74. G. *N.*
Ligeriensis, d'Orb. P. F. 355, 363, 8–9. Fr., Port. *U. G.*
Langii, Voltz. in Leym. (elongata), M. G. S. F. vol. v, p. 24.
Mailleana, d'Orb. P. F. 355, 364, 1–2. Fr. *U. G.*
Marrotiana, d'Orb. P. F. 358, 365, 3–4. Fr. *C.*
Martini, Forbes, Q. J. G. S. vol. i, 238, 2, 3. E. *L. G.*
Moulinsii, d'Orb. Prod 234. Fr. *C.*
Neocomensis, Leym. (PANOPAEA), M. G. S. F. vol. v, pl. 3, f. 4.
nodulifera, Munst. Goldf. 273, 158, 2. G. *C.*
Noueliana, d'Orb. Prod. 194. Fr. *C.*
occidentalis, Morton. Syn. 68, 8, 3. N. J., Del., Miss. *C.*
(*S. Gen.* A.) papyria, Con. Jour. Acad. 2d s. vol. iv, p. 276. Miss. *C.*
Pedernalis, Roem. Kreid. Tex. 45, 9, 4. Tex. *C.*
Prevostii, Desh. (PANOPAEA), in Leym. M. G. S. F. vol. v, pl. 2, f. 7.
(*S. Gen.* A.) postsulcata, Con. Jour Acad. vol. iv, 276. Miss. *C.*
Rauliniana, d'Orb. P. F. 353, 363, 4–5. Fr. *G.*
rhomboidalis, Leym. (LAVIGNON), M. G. S. F. vol. v, 3, 2, 6.
rostrata, Math. Catal. 136, 11, 7. Fr. *C.*
Rouyana, d'Orb. Prod. 73. Fr. *N.*
Royana, d'Orb. (elliptica), P. F. 360, 367.
Sancti-sabae, Roem. Sp. (**Cardium**), Con. Emory's Rep. 164, 21, 4. Tex. *C.*
Scheucherii, Agas. (elongata), Etud. Crit. 57, 2′, 3–7, and pl. 2″, 7.
semicostata, Agas. Etud. Crit. 51, 2, 1. Fr., G. *N.*
subdinnensis, d'Orb. (PAPYRIDEA), Prod. 157.
subelongata, Meek, Trans. Alb. Inst. vol. iv, p. 42. Vancouver I. *C.*
subventricosa, M. & H. 1857, Proc. Acad. 142. Neb. *C.*
tenua, Tuomey, 1855, Proc. Acad. p. 170. Ala. *C.*
Texana, Con. Emory's Rep. 153, 18, 3. Tex. *C.*

Tippana, Con. Jour. Acad. 2d s. vol. iii, 324, 34, 9. Ala., Miss. *C.*
umbonata, Roem. Rreid. Tex. 73, 10, 6. G. *C.*
undata, M. & H. 1856, Proc. Acad. p. 81. Neb. *C*

PHOLAS, Linn. 1758.

cithara, Morton, Synopsis, 68, 9, 2. N. J. *C.*
constricta, Phil. Geol. York. 93, 2, 17. E. *L. G.*
Cornueliana, d'Orb. P. F. 305, 349, 1–4. Fr. *L. G.*
cretacea, Gabb, Jour. Acad. 2d s. vol. iv, 393, 68, 18. N. J. *C.*
P. (*Martesia*) cuneata, M. & H. 1858, Proc. Acad. p. 53. Neb. *C.*
pectorosa, Con. (cithara), Jour. Acad. 2d s. vol. ii, 293, 24, 9.
prisca, Sow. M. Con. 581. E. *N.*
giganteus, Sow. (PHOLADOMYA elongata), G. T. vol. iv, pl. 14, f. 1.
Roemeri, d'Orb. Prod. 72. G. *N.*
subcylindrica, d'Orb. P. F. 306, 349, 5–8. Fr. *G.*
? Stimpsoni, M. & H. (**Xylophaga**), Proc. Acad. 1860, p. 424.

PINNA, Linn. 1758.

arata, Forbes, G. T. vol. vii, 153, 16, 10. India. *C.*
bicarinata, Math. Catal. 180, 27–6, 8. Fr. *U. G.*
calamitoides, Shum. 1857, Trans. St. Louis Acad. p. 124. Neb. *C.*
compressa, Goldf. P. Germ. 167, 128, 4. G. *U. G.*
consobrina, d'Orb. Voy. Astrol. pl. 5, f. 39–40. India. *C.*
Cottae, Gein. Char. Kreid. 11, 1, 55. G. *C.*
decussata, Goldf. P. G. 166, 128, 1, 2. E., G. *U. G.*
decussata, Forbes (consobrina), G. T. vol. vii, p. 153.
depressa, Goldf. (decussata), pl. 128, f. 3.
fenestrata, Roem. Nord. Kreid. 65, 8, 22. G. *C.*
Galliennei, d'Orb. P. F. 253, 331. Fr. *U. G.*
gracilis, Phil. Geol. York. 2, 22. E. *L. G.*
laqueata, Con. Jour. Acad. 2d s. vol. iii, p. 328. N. J., Ala., Miss. *C.*
Ligeriensis, d'Orb. P. F. 257, 334. Fr. *C.*
minuta, Gabb, Proc. Acad. 1860, p. 118, 3, 10. Chili. *C.*
Moreana, d'Orb. P. F. 254, 332. Fr. *U. G.*
Moulinsii, d'Orb. Prod. 246. Fr. *C.*
Neptuni, Goldf. Sp. (**Cardium**), d'Orb. P. F. 255, 333, 1–3. G. *U. G.*

petasunculus, Math. Catal. 180, 27, 3–5. Fr.* *C.*
quadrangularis, Goldf. P. Germ. 167, 127, 8. G , Fr. *C.*
recticostata, d'Orb. Prod. 245. Fr. *C.*
Renauxiana, d'Orb. (bicarinata), P. F. 252, 330, 4–6.
restituta, Hoen. Goldf. pl. 138, f. 3. G., India. *C.*
Robinaldina, d'Orb. P. F. 251, 330, 1–3. Fr. *N.*
rugosa, Roem. *not Sow.* (subrugosa), Nord. Kreid. p. 65.
rostriformis, Morton, Jour. Acad. 1st s. vol. viii, 214, 10, 5. N. J. *C.*
subrugosa, d'Orb. Prod. 80. G. *N.*
subtetragona, d'Orb. Prod. 165. E. *U. G.*
sulcifera, Leym. M. G. S. F. vol. v, pl. 9, f. 9. Fr. *N.*
sulcata, Woodw. (decussata), Geol. Norf. pl. 5, f. 23.
tetragona, Sow. *not Brocchi* (subtetragona), M. Con. 313.

PINNIGERA, Deluc, 1779.

magna, d'Orb. Prod. 107. Fr. *N.*

PLACUNA, Solander, 1785.

scabra, Morton (PLACUNANOMIA), Syn. 62.

PLACUNANOMIA, Brod. 1832.

S. Gen. *Paranomia*, Con. 1860.

lineata, Con. Jour. Acad. 2d s. vol. iv, 291, 46, 20. Tenn. *C.*
Saffordii, Con. id. 290, 46, 21. Tenn. *C.*
scabra, Morton, Sp. (**Placuna**), Gabb, 1861. N. J. *C.*

Plagiostoma, Sow. 1814.

aspera, Mant. (**Ctenoides**), Geol. Suss. 129, 26, 18.
dumosa, Morton, *pars.* (SPONDYLUS), Syn. 59, 16, 8.
dumosa, Morton, *pars.* (S. Mortoni), Syn. 60. *Eocene.*

* There is a specimen in the Academy's collection, marked "Louisiana," corresponding with the figure and description given of this species. The lithological character of the specimen is different from anything I have heretofore seen in the American Cretaceous, except perhaps that of the Northwest. There may, however, be some mistake in the locality.

elongatum, Sow. (CTENOIDES parallela), M. Con. 559.
granulatum, Nilss. (CTENOIDES), P. Suec. 26, 9, 4.
gregale, Morton (SPONDYLUS), Synopsis, 60, 5, 6.
Hoperi, Mant. (CTENOIDES), G. Suss. 204, 26, 2–3–15.
Mantelli, Brong. (CTENOIDES), Env. Paris, pl. 4, f. 2.
Mantelli, Goldf. (Hoperi), P. Germ. pl. 104, f. 9.
ovatum, Nilss. (CTENOIDES), P. Suec. 25, 9, 2.
pelagicum, Morton (CTENOIDES), Syn. 61, 5, 2.
punctatum, Nilss. (C. Nilssoni), P. Suec. 24, 9, 1.
parallelus, Sow. (CTENOIDES), M. Con. pl. 9, f. 1.
semisulcatum, Nilss. (CTENOIDES), P. Suec. 25, 11, 3.
spinosum, Sow. (SPONDYLUS), M. Con. 83.
sulcata, Lam. (S. spinosus), An. S. Vert. vol. vi, 161.

Platymya, Agas. 1838.

dilatata, Agas. (ANATINA), Etud. Crit. 181, 10, 13–14.
minuta, Agas. (LAVIGNON), id. 184, 10, 1–4.
rostrata, Ag. (ANATINA Agassizii), id. pl. 10, 11–12.
tenuis, Ag. (A. subtenuis), id. 183, 10, 5–6.

PLICATULA, Lam. 1801.

aspera, Sow. G. T. 1831, pl. 38, f. 7. E., Fr. *C.*
armata, Roem. *not Goldf.* (Roemeri), Nord. Kreid. 60.
asperrima, d'Orb. P. F. 679, 462, 1–4. Fr. *N.*
Carteroniana, d'Orb. P. F. 680, 462, 5–7. Fr. *N.*
gurgitis, P. & R. Env. Genèv. 517, 47, 4. Fr. *G.*
imbricata, Koch. Beitrag. 1837, 50, 6, 3. G. *N.*
incongrua, Con. Emory's Rep. 153, 6, 10. Tex. *C.*
inequidens, Sharpe, Q. J. G. S. vol. x, 197, 6, 3. E. *L. G.*
inflata, Sow. (radiola), M. Con. 409.
inflata, Goldf. *not Sow.* (spinosa), 102, 107, 6.
multicostata, Forbes, G. T. vol. vii, 155, 18, 3. India. *C.*
nodosa, Duj. M. G. S. F. vol. ii, 228, 15, 14. Fr., G. *C.*
pectinoides, Sow. *not Lam.* (radiola), M. Con. 409.
placunea, Lam. An. S. Vert. vol. vi, 186. Fr., G. *L. G., N.*
radiata, Goldf. P. Germ. 102, 107, 7. G. *C.*
radiola, Lam. An. S. Vert. vol. vi, 185. Fr., G., Port. *G., L. G.*
Roemeri, d'Orb. P. F. 681, 462, 8–10. Fr., G. *N.*
Saffordii, Con. Jour. Acad. 2d s. vol. iv, 283, 46, 34. Tenn. *C.*

septemcostata, Forbes, G. T. vol. vii, 155, 18, 4. India. *C.*
spinosa, Mant. Geol. Suss. 26, 13, 16–17. E., G., Fr. *U. G.*
tetrica, Con. Jour. Acad. 2d s. vol. iv, 283, 46, 26. Tenn. *C.*
urticosa, Morton, Syn. 62, 10, 2. N. J. *C.*

Podopsis, Lam. 1819.

gryphaeoides, Lam. (GRYPH. vesicularis), An. S. Vert. vol. vi, 194.
truncata, Lam. (SPONDYLUS), id. 195.

Poromya, Forbes, 1844.

globulosa, Forbes (LYONSIA), G. T. vol. vii, 141, 17, 6.
lata, Forbes (LYONSIA), id. 141, 15, 14.

Psammobia, Lam. 1818 (GARI, Schum. 1817).

cancellato-sculpta (GARI), Roem. Kreid. Tex. 46, 6, 10.
circinalis, Duj. (ARCOPAGIA), M. G. S. F. vol. ii, 223, 15, 3.
discrepens, Duj. (CAPSA), id. 223, 15, 2.
gracilis, Sow. in Fitt. (GARI), G. T. vol. iv, 341, 15, 2. E. *U. G.*
inconspicua, Sow. (GARI), id. vol. vii, 142, 15, 18. India. *C.*
semicostata, Roem. (G. inaequalis), Nord. Kreid. 74, 9, 21.
tellinoides, Sow. (GARI), Fitt. G. T. vol. iv, 176, 21, 6. E. *Weald.*

PULVINITES, Defr. 1827.

argentea, Con. Jour. Acad. 2d s. vol. iii, 330, 34, 5. Ala., Miss. *C.*

Pycnodonta, Fisch. de Wald. 1835.

radiata, Fisch. (GRYPHAEA vesicularis), Bull. Mosc. vol. viii, pl. 1.

SANGUINOLARIA, Lam. 1799.

Cretacensis,* Con. Jour. Acad. vol. iv, 277, 46, 11. Ala. *C.*

SAXICAVA, Fleur. 1802.

antiqua, d'Orb. Prod. 136. Fr. *G.*

* *Cretacea ?*

SILIQUA, Muhlf. 1811 (**Leguminaria**, Schum. 1817).

Australis, Gabb (**Cultellus**), Gabb, 1861. Chili. *C.*
Cretaceus, Gabb (**Cultellus**), Gabb, 1861. N. J. *C.*
Moreana, d'Orb. Sp. (**Leguminaria**), Gabb, 1861. Fr. *G.*
Nereis, d'Orb. Sp. (**Leguminaria**), Gabb, 1861. Fr. *U. G.*
truncatula, Reuss Sp. (**Solen**), Gabb, 1861. G. *C.*

SILIQUARIA, Brug. 1791.

biplicata, Con. Jour. Acad. 2d s. vol. iii, 324, 34, 17. Ala. *C.*

SOLECURTUS, Blainv. 1824.

*Actaeon, d'Orb. Prod. 158. Fr. *U. G.*
aequalis, d'Orb. (**Solen**), Prod. 158. Fr. *U. G.*
elegans, Math. Sp. " d'Orb. Prod. 194. Fr. *C.*
Guerangeri, d'Orb. (**Solen**), Prod. 158. Fr. *U. G.*
inflexus, Duj. Sp. " d'Orb. Prod. 235. Fr. *C.*
obscurus, Forbes, G. T. vol. vii, 141, 17, 3. India. *C.*
Pelagi, d'Orb. Prod. 158. Fr. *U. G.*
radians, d'Orb. Prod. 158. Fr. *U. G.*
Robinaldinus, d'Orb. (**Solen**), Prod. 75. Fr. *N.*
subcompressus, d'Orb. Prod. 235. G. *C.*
Warburtoni, Forbes, Q. J. G. S. vol. i, 237, 2, 1. E. *L. G.*

SOLEMYA, Lam. 1819.

planulata, Con. (LEGUMEN), Jour. Acad. 2d s. vol. ii, 274, 24, 11.
subplicata, M. & H. (**Solen**), Proc. Acad. vol. viii, p. 283. Neb. *C.*

SOLEN, Arist., List. 1786.

aequalis, d'Orb. (SOLECURTUS), P. F. 321, 350, 5–7.
carinatus, Math. (ANATINA), Catal. 133, 11, 1–2.
compressus, Goldf. (SOLECURTUS subcompressus), P. G. 276, 159, 4.
Dupinianus, d'Orb. P. F. 320, 350, 3–4. Fr. *G.*
Dakotensis, M. & H. (PHARELLA), 1857, Proc. Acad. p. 142.

* "Espèce pourvue de côtés concentriques très prononceés" !

elegans, d'Orb. (SOLECURTUS radians), P. F. 322, 251, 3–5.
elegans, Math. (SOLECURTUS), Cat. 134, 11, 3.
Guerangeri, d'Orb. (SOLECURTUS), P. F. 321, 351, 1–2.
inflexus, Dujard. (SOLECURTUS), M. G. S. F. 2d s. vol. ii, 222, 15, 4.
lamellosus, Reuss (ARCOPAGIA), B. Kreid. 16, 36, 5.
irradians, Roem. Kreid. Tex. 45, 6, 9. Texas. *C.*
Robinaldinus, d'Orb. (SOLECURTUS), P. F. 320, 350, 1–2.
subplicata, M. & H. (SOLEMYA), 1856, Proc. Acad. p. 56.

Sphaera, Sow. 1822 (CORBIS, Cuv. 1817).

corrugata, Sow. (CORBIS), M. Con. 334.

SPHAERELLA, Con. 1838.

concentrica, Con. Jour. Acad. 2d s. vol. iv, 280, 46, 4. Ala. *C.*

SPONDYLUS, Linn. 1758.

alternatus, d'Orb. P. F. 665, 456, 1–5. Fr. *C.*
Aonis, d'Orb. Prod. 294. Fr. *Danien.*
asper, Münst. Goldf. P. G. pl. 106, f. 1. G. *C.*
Brunneri, P. & R. Env. Genèv. 514, 47, 1. Fr. *G.*
calcaratus, Forbes, G. T. 2d s. vol. vii, 155, 18, 2. India. *C.*
capax, Con. Jour. Acad. 2d s. vol. ii, 274, 24, 8. N. J. *C.*
capillatus, d'Arc. (striatus), M. G. S. F. 2d s. vol. ii, pl. 17, f. 1.
Carantonensis, d'Orb. P. F. 665, 456, 6–7. Fr. *C.*
complanatus, d'Orb. P. F. 657, 451, 7–10. Fr. *L. G.*
Coquandianus, d'Orb. P. F. 663, 452, 9–11. Fr. *C.*
dumosus, Morton, Sp. *pars.** (**Plagiostoma**), d'Orb. Prod. 254. Ala. *Eocene.*
duplicatus, Goldf. (spinosus), P. Germ. 95, 105, 5.
Dutempleanus, d'Orb. P. F. 672, 460, 6–11. Fr. *C.*
fimbriatus, Goldf. P. G. 97, 106, 2. E., G., Fr. *C.*
gibbosus, d'Orb. P. F. 658, 452, 1–6. Fr. *G.*
globulosus, d'Orb. P. F. 667, 458. Fr. *C.*
gregalis, Morton, Sp. (**Plagiostoma**), d'Orb. Prod. 254. N. J. *C.*
Guadalupae, Roem. Kreid. Tex. 62, 8, 9. Tex. *C.*

* The specimen figured in the wood-cut, Synopsis, p. 60, is distinct from the lithograph. I would suggest the name S. Mortoni for it. Both the species are Eocene; the types are in the Museum of the Academy of Natural Sciences.

hippuritarum, d'Orb. P. F. 664, 455. Fr. *C.*
hystrix, Goldf. *not Roem.* P. G. 98, 105, 8. Fr., G. *U. G.*
hystrix, Roem. *not Goldf.* (Roemeri), Kreid. p. 39.
latus, Leym. *not Sow.* (Roemeri), M. G. S. F. 2d s. vol. v, pl. 6, f. 7.
lineatus, Goldf. P. Germ. 97, 106, 3. G. *C.*
obesus, d'Orb. P. F. 675, 461, 5–7. Fr. *C.*
Omalii, d'Arc. (hystrix), M. G. S. F. 2d s. vol. ii, pl. 15, f. 4.
plicatus, Münst. *not Linn.* (subplicatus), Goldf. 98, 106, 7.
podopsideus, Lam. (spinosus), An. S. Vert. vol. vi, 194.
radiatus, Goldf. (hystrix), P. G. 98, 106, 6.
Renauxianus, d'Orb. P. F. 659, 452, 7–8. Fr. *G.*
Requienianus, Math. (hystrix), Catal. 189, 32, 3.
Roemeri, Desh. in d'Orb. P. F. 655, 451, 1–6. Fr., G. *N.*
Royanus, d'Orb. P. F. 674, 460, 1–5. Fr. *C.*
Santonensis, d'Orb. P. F. 666, 475. Fr. *C.*
spinosus, Sow. Sp. (**Plagiostoma**), Desh. An. Sc. Nat vol. xv. E., Fr., G., Sw., Crimea. *U. G.*
striato-costatus, d'Orb. P. F. 655, 450. Fr. *N.*
striatus, Sow. Sp. (**Dianchora**), Goldf. P. G. 98, 106, 5. E., Fr., G., Crimea. *U. G.*
strigilis, Brong. (PLICATULA placunea), Cuv. Oss. Foss. pl. Q. f. 6.
sublaevis, Münst. Goldf. P. G. 99, 106, 8. G. *C.*
subplicatus, d'Orb. Prod. 254. G. *C.*
subsquamosus, Forbes (calcaratus), G. T. vol. vii, 154, 18, 1.
truncatus, Lam. Sp. (**Podopsis**), d'Orb. P. F. 668, 459. E., Sw., Fr., G. *C.*

TANCREDIA.

Americana, M. & H. (**Hettangia**), 1860, Proc. Acad. p. 185. Neb. *C.*

TAPES, Mühlf. 1811.

Hilgardi, Shumard, 1860, Trans. Acad. St. Louis, p. 601. Texas. *C.*

TELLINA, Linn. 1758.

Albertina, d'Orb. Voy. Astrol. pl. 4, 22–24. India. *C.*
angulata, Desh. *not Lam.* (Carteroni), M. G. S. F. vol. v, pl. 3, f. 6.
aequalis, Mant. G. T. vol. iii, p. 211. E. *L. G.*

Bogotina, d'Orb. Am. Merid. 84, 18, 15. N. Gren. *N.*
Carteroni, d'Orb. P. F. 420, 380, 1–2. Fr. *N.*
? Cheyennensis, M. & H. 1856, Proc. Acad. p. 82. Neb. *C.*
concentrica, Reuss (ARCOPAGIA), B. Kreid. 18, 36, 19–20.
costulata, Goldf. (ARCOPAGIA), P. Germ. 235, 147, 19.
densata, Con. (DOSINIA), Jour. Acad. 2d s. vol. ii, 275, 24, 14. N. J. *C.*
eborea, Con. id. vol. iv, 278, 46, 14. Ala., Miss. *C.*
Eufalensis, Con. id. vol. iv, 277. Ala. *C.*
equilateralis, M. & H. Proc. Acad. p. 82 (1856). Neb. *C.*
? formosa, M. &. H. 1860, Proc. Acad. p. 179. Neb. *C.*
Goldfussii, Roem. Nord. Kreid. 73, 9, 18. G. *C.*
gracilis, Sow. Sp. (GARI), d'Orb. Prod. 159.
gracilis, M. & H. (THRACIA), 1856, Proc. Acad. p. 82.
Grangei, d'Orb. (G. inconspicua), Voy. Astrol. pl. 5, f. 8–10.
inaequalis, Sow. (GARI), M. Con. 456.
Largilliertii, d'Orb. Voy. Astrol. pl. 5, 5–6. Chili. *C.*
*limatula, Con. Jour. Acad. 2d s. vol. iv, 278, 46, 10. Ala. *C.*
Moreana, d'Orb. P. F. 421, 380, 3–5. Fr. *G.*
occidentalis, Morton (LUCINA), 1842, Jour. Acad. 1st s. vol. viii, 210, 11, 3.
plana, Roem. *not Donovan* (pseudo-plana), Kreid. 74, 9, 19.
Pondicheriensis, Forbes, G. T. vol. vii, 142, 18, 15. India. *C.*
Prouti, M. & H. (THRACIA), 1856, Proc. Acad. p 83.
pseudo-plana, d'Orb. Prod. 236. G. *C.*
Reichii, Roem. (THRACIA), Nord. Kreid. 74, 9, 26.
Royana, d'Orb. P. F. 422, 380, 9–11. Fr. *C.*
Renauxii, Math. Catal. 142, 13, 11. Fr. *C.*
Ripleyana, Con Jour. Acad. 2d s. vol. iii, 327. Miss. *C.*
scitula, M. & H. 1856, Proc. Acad. p. 82. Neb. *C.*
striatula, Sow. M. Con. 456. E. *U. G.*
strigata, Goldf. (ARCOPAGIA), P. Germ. 235, 147, 18.
subdecussata, Roem. (ARCOPAGIA), Nord. Kreid. 74, 9, 20.
? subelliptica, M. & H. 1856, Proc. Acad. p. 83. Neb. *C.*
subradiata, Roem. Sp. (**Donax**), d'Orb. Prod. 236. G. *C.*
subtenuistriata, d'Orb. Prod. 159. E. *U. G.*
subtortuosa, M. & H. (THRACIA), 1856, Proc. Acad. 272.
tenuissima, Reuss, Böhm. Kreid. 19, 36, 18–24. G. *C.*

* Mr. Conrad places this species, with T. eborea, in a subgenus, which he calls *Tellinimera*.

TEREDO, Linn. 1758.

Argonensis, Buvignier, 1843, Descr. de Argennes. Fr. *G.*
calamus, Tuomey, *not Lea* (calamoides), 1855, Proc. Acad. 170.
calamoides, Gabb (*calamus*, Tuomey), 1861. Ala. *C.*
Fleuriausus, d'Orb. Prod. 157. Fr. *U. G.*
globosa (us), M. & H. 1858, Proc. Acad. p. 53. Neb. *C.*
Requienianus, Math. Cat. 132, 10, 5–7. Fr. *C.*
irregularis, Gabb, Jour. Acad. 2d s. vol. iv, 393, 68, 19. N. J., Ala. *C.*
rotundus, Sow. Dixon's Geol. Suss. 346, 28, 27–28. E. *C.*
selliformis, M. & H. 1860, Proc. Acad. 178. Neb. *C.*
tibialis, Morton, Synopsis, 68, 9, 2. N. J., Del. *C.*

THETIS, Sow. 1826.

laevigata, Sow. Sp. (**Corbula**), d'Orb. P. F. 452, 387, 1–3. Fr. *L. G.*
Genevensis, P. & R. Env. Genèv. 420, 30, 2. Fr. *G.*
major, Sow. M. Con. 513. E., Fr. *U. G.*
minor, Sow. M. Con. 513. E., Fr., G. *G.*
undulata, Geinitz, Quadersand. G.

THRACIA, Leach, 1825.

Alpina, P. & R. Env. Genèv. 415, 29, 7. Fr. *G.*
elongata, Roem. Nord. Kreid. 75, 10, 2. G. *U. G.*
gibba, d'Orb. P. F. 388, 374. Fr. *U. G.*
corbulopsis, Gabb, 1860, Proc. Acad. 198, 3, 1. Chili. *C.*
gracilis, M. & H. (**Tellina**), 1856, Proc. Acad. 284. Neb. *C.*
Nicoleti (ii), Agas Sp. (**Corimya**), d'Orb. Prod. 74. G. *N.*
occidentalis, Meek, Trans. Alb. Inst. vol. iv, p. 43. Vancouver I. *C.*
Phillipsii, Roem. Nord. Kreid. 74, 10, 1. G. *N.*
Proutii, M. & H. (**Tellina**), 1860, Proc. Acad. 425. Neb. *C.*
recurva, d'Orb. Prod. 117. E. *L. G.*
rotunda, P. & R. Env. Genèv. 414, 29, 6. Fr. *G.*
subangulata, Desh. M. G. S. F. 1842, 3–5, 1. Fr. *N.*
subdepressa, d'Orb. Prod. 74. Fr., E. *N.*
subtortuosa, M. & H. (**Tellina**), 1860, Proc. Acad. 425. Neb. *C.*

subtruncata, Meek, Trans. Alb. Inst. vol. iv, p. 44. Vancouver I. *C.*
taurica, Agas. Sp. (**Coriomya**), d'Orb. Prod. 74. Crimea. *N.*
vulvaria, Agas. Sp. (**Coriomya**), d'Orb. Prod. 74. G. *N.*

TRIGONIA, Brug. 1791.

abrupta, Von. Buch, Petr. Rec. En. Amer. 17, 2, 21, 22. N. Gren. *N.*
aliformis, Sow. M. Con. 215. E., Fr. *U. G., G.*
alaeformis, Morton, *not Sow.* (thoracica), Jour. Acad. 1st s. vol. viii.
aliformis, Goldf. Roem. Forbes, &c., *not Sow.* (limbata).
affinis, Sow. (sinuata), M. Con. 208.
Archiaciana, d'Orb. P. F. 142, 290, 6–10. Fr., G. *G.*
bipartita, d'Orb. Prod. 240. Fr. *C.*
carinata, Agas. 1840, "Trigonies," 47, 8, 1. Fr. *N.*
caudata, Agas. id. 32, 7, 1–3. Fr., G., Port. *N.*
cincta, Agas. (rudis), id. 27, 7, 21–23.
conformis, Agas. Trigon. pl. 9, f. 2–4.
Constantii, d'Orb. P. F. 144, 294, 1–6. Fr., G. *G.*
Coquandiana, d'Orb. P. F. 149, 249, 1–4. Fr. *U. G.*
crenulata, Lam. An. S. Vert. vol. vi, p. 63. Fr. *U. G.*
crenulata, Roem. (Mooreana), Kreid. Tex. 51, 7, 6.*
conocardiiformis, Krauss. Sp. (**Lyrodon**), Gabb, 1861. S. Africa. *U. G.?*
daedalea, Park. Org. Rem. pl. 12, f. 6. E., Fr. *U. G*
Delafossei, Bayle & Coquand, M. G. S. F. vol. iv, 37, 8, 27. Chili. *N.*
disparilis, d'Orb. P. F. 157, 299, 3–4. Fr. *C.*
divaricata, d'Orb. P. F. 135, 288, 1–4. Fr. *N.*
echinata, d'Orb. Prod. 240. Fr. *C.*
elongata, Sow. pars. (carinata), M. Con. 431, f. 1–2 (*exclus.* 3).
elegans, Baily, Q. J. G. S. vol. xi, 461, 13, 3. S. Africa. *U. G.?*
Emoryi, Con. Emory's Rep. 148, 3, 2. Texas. *C.*

* After a careful comparison of Roemer's figure and description with authentic specimens and figures of Lamarck's species, I am convinced that they are different. Besides the outline, the most obvious difference is in the number and arrangement of the ribs. I take pleasure, therefore, in naming the species after my friend, the able State geologist of Texas.

Eufalensis, Gabb, Jour. Acad. 2d s. vol. iv, 396, 68, 32. Ala., Miss., Tenn., N. J. *C.*

Evansii, Meek, Trans. Albany Inst. vol. iv, p. 42. Vancouver I. *C.*

excentrica, Sow. M. Con. 208. E. *U. G.*

excentrica, Goldf. *not Sow.* (subexcentrica), P. Germ. 137, 8, 203.

Fittoni, Desh. M. G. S. F. vol. v, pl. 9, f. 6. Fr. *G.*

Gibboniana, Lea (Hondaana), Trans. Am. Phil. Soc. vol. vii, 255, 9, 7.

Hanetiana, d'Orb. Am. Merid. 127, 12, 14–16. Chili. *C.*

harpa, Desh. (carinata), M. G. S. F. vol. v, pl. 9, f. 7.

Herzogii, Hausm. Sp. (**Lyrodon**), Bronn, Ind. Pal. p. 1280. S. Africa. *U. G.*

Hondaana, Lea, Trans. Am. Phil. Soc. 2d s. pl. 9, f. 9, vol. vii. N. Gren. *N.*

Hondeana, d'Orb. (Hondaana), Index Prod. Pal.

Humboldtii, Von Buch, Pet. Rec. Humb. 9, 2, 28–30. N. Gren. *N.*

inornata, d'Orb. P. F. 158, 297, 6–8. Fr. *C.*

Lajoyei, Desh. M. G. S. F. vol. v, pl. 8, f. 4. Fr. *N.*

Lamarckii, Math. Catal. 164, 22, 5–7. Fr. *C.*

limbata, d'Orb. P. F. 156, 298. Fr., G., India, Texas, Ala. *C.*

longa, Agas. Trigon. 47, 8, 1. Fr., G. *N.*

longirostris, d'Orb. Prod. 240. Fr. *C.*

Lusitanica, Sharpe, Q. J. G. S. vol. vi, 190, 22, 4. Port. *"Lower Cret."**

Mooreana, Gabb, 1861 (*crenulata, Roem. not Lam.*). Texas. *C.*

nodosa, Sow. (rudis), M. Con. 507.

Nereis, d'Orb. Prod. 162. Fr. *U. G.*

Orientalis, Forbes, G. T. vol. vii, 150, 18, 11. India. *C.*

ornata, d'Orb. P. F. 136, 288, 5–9. E., Fr., G. *N.*

palmata, Desh. M. G. S. F. 2d s. vol. v, pl. 8, f. 5. Fr. *N.*

pennata, Sow. (sulcataria), M. Con. 237.

paradoxa, Agas. Trigon. 46, 10, 12. Fr. *N.*

plicato-costata, Galeotti, Bull. Acad. Brux. vol. vii, p. 1, f. 1. Mexico. *C.*

pulchella, Reuss, *not Agas.* (subpulchella), B. K. 5, 41, 3.

* Some of the species, thus referred by the above author, belong to the *Jurassic;* such as *T. muricata*, Goldf. Further investigation will be necessary to fix the position of the rest.

Pyrrha, d'Orb. Prod. 161. Fr. *U. G.*
quadrata, Sow. G. T. 2d s. vol. iv, pl. 17, f. 12. E. *U. G.*
quadrata, Agas. *not Sow.* (daedalea), Etud. Trigon. 27, 6, 7–9.
Robinaldina, d'Orb. P. F. 139, 199, 1–2. Fr. *N.*
rudis, Park. Org. Rem. 177, 12, 10. E., Fr., G. *N.*
scabra, Lam. An. S. Vert. vol. vi, p. 63. E., Fr., G. *C.*
scabra, Morris, *not Lam.* (caudata), Catal.
scapha, Agas. Etud. Trigon. 15, 7, 17–20. Fr. *N.*
semiculta, Forbes, G. T. vol. vii, 151, 18, 9. India. *C.*
semiornata, d'Orb. (orientalis), Voy. Astrol. pl. iv, 31, 32.
sinuata, Park. Org. Rem. pl. 12, f. 13. E., Fr. *U. G.*
sinuata, d'Orb. *not Park.* (suborbicularis), Voy. Astrol. pl. 4, 29–30.
spinosa, Park Org. Rem. pl. 12, f. 7. E., Fr. *U. G.*
spinosa, Sow. *not Park.* (ornata), M. Con. 86.
spectabilis, Sow. (rudis), M. Con. 544.
subcrenulata, d'Orb. (Tocaimaana), Am. Merid. 87, 19, 7–9.
subexcentrica, d'Orb. Prod. 240. G. *C.*
suborbicularis, Forbes, G. T. vol. vii, 150, 18, 10. India. *C.*
subpulchella, d'Orb. Prod. 240. G. *C.*
sulcata, Agas. (carinata), Etud. Trigon. 44, 8, 5.
sulcataria, Lam. An. S. Vert. vol. vi, p. 84.
tenuisulcata, Duj. M. G. S. F. vol. ii, 225, 15, 11. Fr. *C.*
Texana, Con. Emory's Rep. 148, 3, 3. Tex. *C.*
thoracica, Morton, Syn. 65, 15, 13. N. J., Del., Ala., Miss., Tenn., Texas. *C.*
Tocaimaana, Lea, Am. Phil. Soc. vol. vii, pl. 9, f. 8. N. Gren. *N.*
ventricosa, Krauss, Sp. (**Lyrodon**), Gabb, 1861. S. Africa. *U. G.*

UNICARDIUM, d'Orb. 1847.

inornatum, d'Orb. (**Cardium**), Prod. 79. Fr. *N.*
laevigatum, Sow. Sp. (**Corbula**), d'Orb. Prod. 163. E. *U. G.*

Venericardia, Lam. 1801. See CARDITA.

*VENILIA, Morton, 1834 (**Cyprina**, *pars* d'Orb.).

Conradi, Morton, Syn. 66, 9, 3. N. J., Del., Ala., Miss., Tenn. *C.*

* I have in my collection a cast of a fourth species, from New Jersey, larger than *V. Conradi* and more abrupt. The genus is certainly very distinct from *Cyprina*, and will probably include some species published under that name.

rhomboidea, Con. Jour. Acad. 2d s. vol. ii, 275, 24, 7. N. J. *C.*
trapezoidea, Con. id vol. iv, 282, 47, 7. N. J., Ala., Miss. *C.*

VENUS, Linn. 1758.

analoga, Forbes, G. T. vol. vii, 147, 15, 20. India. *C.*
Allaudiensis, Math. (Astarte gigantea), Catal. pl. 5, f. 1–2.
angulata, Sow. (CYPRINA), M. Con. 65.
Archiaciana, d'Orb. P. F. 449, 386, 6–7. Fr. *C.*
Arcotensis, Forbes (ASTARTE), G. T. vol. vii, 146, 15, 19.
Astieriana, Math. Catal. 154, 16, 9–10. Fr. *U. G.*
Auca, d'Orb. Am. Merid. 122, 12, 17, 18. Chili. *C.*
Aucasiana, d'Orb. (Auca), Prod. 237.
Bavarica, Munst. in Goldf. P. G. 246, 151, 1. G. *C.*
Brongniartina, Leym. (sub-Brongniartina), M. G. S. F. vol. v, pl. 5, f. 7.
caperata, Sow. M. Con. 518. E. *U. G.*
caperata, d'Orb. (MERETRIX uniformis), M. Con 446.
Cenomanensis, d'Orb. Prod. 159. Fr. *U. G.*
Chia, d'Orb. Am. Merid. 82, 18, 9–10. N. Gren. *N.*
circularis, M. & H. 1856, Proc. Acad. 272. Neb. *C.*
circulus, Gabb, 1859 (circularis), Cat. Cret. p. 17.
concentrica, Roem. *not Born*. (subconcentrica), Nord. K. 72, 9, 11.
cordiformis, Desh. (CORBIS corrugata), M. G. S. F. vol. v, pl. 5, f. 8.
Cornueliana, d'Orb. P. F. 436, 383, 10–13. Fr. *N.*
Cottaldina, d'Orb. P. F. 438, 384, 1–3. Fr. *N.*
cretacea, d'Orb. Am. Merid. p. 83. N. Grenada. *N.*
Dupiniana, d'Orb. P. F. 434, 383, 1–4. Fr. *N.*
elongata, Reuss, *not McCoy* (subelongata), B. K. 20, 41, 9.
eximea, Forbes (analoga), G. T. vol. vii, 147, 15, 21.
faba, Sow. M. Con. 567, f. 3. E., Fr. *U. G.*
faba, Goldf. *not Sow.* (subfaba), P. G. 247, 151, 6.
fabacea, Roem. Nord. Kreid. 72, 9, 13. G. *C.*
fenestrata, Forbes (CARDITA), Q. J. G. S. vol. i, 240, 2, 6.
fragilis, d'Orb. (Cenomanensis), P. F. 446, 385, 11–12.
Galdrina, d'Orb. P. F. 437, 383, 13–15. Fr. *N.*
gibbosa, Münst. *not Sow.* (subgibbosa), Goldf. 246, 151, 3.
Goldfussii, Geinitz, Quadersand. G.
granum, Math. (ASTARTE), Cat. 158, 15, 7.
Hallii, Gabb, 1861 (*Orbignyana*, Gabb, *not Forbes*). Chili. *C.*

Icaunensis, d'Orb. P. F. 439, 384, 4–6. Fr. *N.*
immersa, Sow. in Fitt. G. T. vol. iv, pl. 17, f. 6. E. *U. G.*
jucunda, Duj. Sp. (MERETRIX), d'Orb. Prod. 237.
Labadyei, d'Arc. M. G. S. F. 2d s. vol. ii, 303, 14, 7. G. *C.*
Lamarckii, Math. Catal. 151, 15, 5. Fr. *C.*
laminosa, Reuss, *not Montagu* (sublaminosa), B. K. 21, 41, 6–15.
Lapeyrusana, Leym. M. G. S. F. 2d s. vol. iv, 196, pl. a, f. 16. Fr. *C.*
lata, Roem. (CYPRINA), Nord. Kreid. 75, 9, 10.
latesulcata, Math. Catal. 152, 16, 1–2. Fr. *C.*
lineolata, Sow. (MERETRIX), M. Con. 20.
Martiniana, Math. Catal. 154, 16, 7–8. Fr. *C.*
Matronensis, d'Orb. P. F. 433, 382, 7–8. Fr. *N.*
Neocomensis, d'Orb. (Vendoperata), P. F. pl. 384, 7–10.*
Meekana, Gabb, Jour. Acad. 2d s. vol. iv, 394, 68, 23. Ala. *C.*
Noueliana, d'Orb. Prod. 195. Fr. *C.*
numismalis, Müll. (LUCINA subnumismalis), Aach. K. 25, 2, 5.
obesa, d'Orb. P. F. 434, 382, 9–11. Fr. *N.*
Orbignyana, Forbes, Q. J. G. S. vol. i, 240, 2, 5. E. *L. G.*
Orbignyanus, Gabb, *not Forbes* (Hallii), Proc. Acad. 1860, 198, 3, 2.
ovalis, Sow. M. Con. 567. E. *U. G.*
ovalis, Goldf. *not Sow.* (subovalis), P. Germ. 243, 151, 5.
ovum, Math. Catal. 152, 16, 3–4. Fr. *C.*
parallela, Münst. *not Phil.* (subparallela), Goldf. 246, 151, 2.
parva, Sow. M. Con. 518. E. *U. G.*
parva, Reuss (LUCINA orbicularis), B. Kreid. pl. 41, f. 16, 17.
parva, Goldf. (subparva), P. Germ. 247, 151, 4.
pentagona, Reuss (CRASSATELLA), Böhm. Kreid. 21, 41, 7–8.
perovalis, Con. Lynch's Exped. 225, 1–2. Syria. *C.*
plana, Sow. M. Con. 20. E., Fr. *U. G.*
plana, d'Orb. *pars.* (Renauxiana), P. F. 447.
plana, Goldf. (subplana), P. Germ. pl. 148, f. 4.
Renauxiana, d'Orb. Prod. 194. Fr. *C.*
Rhotomagensis, d'Orb. P. F. 443, 385, 1–5. Fr. *U. G.*
Ricordeana, d'Orb. P. F. 431, 381, 1–2. Fr. *N.*
Ringmeriensis, Mant. (PANOPAEA), G. Suss. 126, 25, 2.
Ripleyana, Gabb, 1860, Jour. Acad. vol. iv, 393, 68, 22. N. J., Tenn. *C.*
Robinaldina, d'Orb. P. F. 435, 383, 5–9. Fr. *N.*

* *Vendoperata* in the text; *Neocomensis* on the plate.

Roissyi, Leym. Sp. (**Lucina**), d'Orb. P. F. 441, 384, 13, 15. Fr. *L. G.*
Royana, d'Orb. P. F. 448, 386, 4–5. Fr. *C.*
sub-Brongniartina, d'Orb. Prod. 76. Fr. *N.*
subconcentrica, d'Orb. Prod. 237. G. *C.*
subdecussata, Roem. Nord. Kreid. 72, 9, 12. G. *C.*
subelongata, d'Orb. Prod. 237. G. *C.*
subfaba, d'Orb. Prod. 237. G. *C.*
subgibbosa, d'Orb. Prod. 237. G. *C.*
sublaevis, Sow. G. T. vol. iv, pl. 17, f. 5. E. *U. G.*
sublamellosa, Shum. Trans. Acad. St. Louis, 1860, p. 598. Tex. *C.*
sublaminosa, d'Orb. Prod. 237. G. *C.*
submersa, Sow. G. T. vol. iv, pl. 17, f. 4 E. *U. G.*
subovalis, d'Orb. Prod. 237. G. *C.*
subparallela, d'Orb. Prod. 237. G. *C.*
subparva, d'Orb. Prod. 237. G. *C.*
subplana, d'Orb. Prod. 237. G., Fr. *C.*
subrotunda, Sow. Sp. (MERETRIX), d'Orb. Prod. 159.
subtruncata, d'Orb. Prod. 159. E. *U. G.*
subturgida, d'Orb. Prod. 237. Fr. *C.*
? tenera, Sow. G. T. vol. iv, pl. 11, f. 7. E. *U. G.*
truncata, Sow. (subtruncata), G. T. vol. iv, pl. 17, f. 3.
tumida, Müll. Aach. Kreid. 25, 2, 4. G. *C.*
turgida, Math. *not Lam.* (subturgida), Catal. 153, 16, 5–6.
uniformis, Duj. Sp. (MERETRIX), d'Orb. Prod. 236.
Vassiacensis, d'Orb. P. F. 444, 381, 11–12. Fr. *L. G.*
Vectensis, Forbes, Q. J. G. S. vol. i, 240, 2, 4. E. *L. G.*
Vendoperata, Leym. Sp. (**Lucina**), d'Orb. P. F. 439, 384, 7–10. Fr. *N.*
Vibrayeana, d'Orb. P. F. 442, 384, 16–20. Fr., G. *G.*

VULSELLA, Humph.

Turonensis, Dujard. (OSTREA), M. G. S. F. vol. ii, 228, 15, 1.

XYLOPHAGA, Turton, 1822.

elegantula, M. & H. 1857, Proc. Acad. p. 141. Neb. *C.*
Stimpsoni, M. & H. (PHOLAS?), 1857, id. 141.

YOLDIA, Müll. 1832.

Evansi, M. & H. (**Nucula**), 1860, Proc. Acad. 429. Neb. *C.*
scitula, M. & H. " id. 428. Neb. *C.*
subnasuta, H. & M. Sp. (**Nucula**), M. & H. id. 429. Neb. *C.*
ventricosa, H. & M. Sp. " M. & H. id. 429. Neb. *C.*

HIPPURITINAE.*

Batholites, Montf. 1808 (HIPPURITES, Lam. 1801).

organisans, Montf. (HIPPURITES), Conch. Syst. 1, p. 334.

BIRADIOLITES, d'Orb. 1847.

angulosa, d'Orb. P. F. 233, 574, 7–11. Fr. *C.*
canaliculata, d'Orb. P. F. 230, 572. Fr. *C.*
cornu-pastoris, Desm. Sp. (**Hippurites**), d'Orb. P. F. 231, 572. Fr. *C.*
fissicosta, d'Orb. P. F. 234, 575. Fr. *C.*
quadrata, d'Orb. P. F. 232, 574, 1–6. Fr. *C.*

* After a careful study of all the material at my disposal, and after reading the views of the numerous able students who have studied the subject, I have been led to believe that this curious group of genera, constituting according to some authors a distinct order, according to others, a suborder, and considered by still a third class, as only a family, are more nearly related to the *Conchifera* than to the *Brachiopoda*. From their paradoxical nature, they have been considered *Cephalapoda*, *Zoophytes*, *Brachiopoda*, and as a totally distinct order.

Mr. Woodward, in a very able paper in the tenth volume of the Quarterly Journal of the Geological Society of London, points out their true character, refers them to the *Conchifera*, and considers them a family, related to the *Chamacea* and *Cardiadae*. I am inclined to consider them rather as a suborder of the *Conchifera*.

The reasons given by Woodward for separating them from the *Brachiopoda*, and uniting them with the *Conchifera*, are as follows:

"1. The shell is composed of three layers, which is not the case in any *Brachiopod*.

"2. The prismatic-cellular structure is like that of *Perna* and *Aetheria*, and not like any *Brachiopod*.

Birostrites, Lam. 1819.

inaequiloba, Lam. (RADIOLITES Hoeninghausii), A. S. Vert. vol. vi, 236.

CAPRINA, C. d'Orb. 1823.

adversa, d'Orb. Sr., An. d. Mus. vol. viii, pl. 3, f. 1–3. Fr., G. *U. G.*
Aguilloni, d'Orb. Rev. Crit. 1839, p. 169. Fr., G. *C.*
bipartita, d'Orb. Sr. (adversa), An. d. Mus. vol. viii, pl. 3, f. 4–5.
Boissyi, d'Orb. (CAPRINULA), Rev. Cuv. 169.
Coquandiana, d'Orb. 1839, Rev. Cuv. 169. Fr. *C.*
costata, d'Orb. (CAPROTINA), id. 169.
laminea, Gein., Reuss, Böhm. Kreid. 53, 45, 6. G. *C.*
Lonsdalei, Sow. Sp. (CAPROTINA), Brown, Foss. Conch. G. B. p. 176.
Michelini, Math. (CAPROTINA varians), Cat. 113, 4, 6–7.
Partechii, Hauer. (Aguilloni), 1847, Nat. Abh. p. 109.
quadripartita, d'Orb. (CAPROTINA), Rev. Cuv. 169.
Russiensis, d'Orb. (CAPROTINA), Geol. Russ. 496, 43, 31–33.
semistriata, d'Orb. (CAPROTINA), Rev. Cuv. 169.
striata, d'Orb. (CAPROTINA), id. 169.
trilobata, d'Orb. (CAPROTINA), id. 169.
crassifibra, Roem. Kreid. Tex. 79, 5, 6. Tex. *C.*

"3. No *Brachiopod* has a subnacreous shell with water chambers.

"4. The upper valve has a different structure from the lower.

"5. Each valve is unsymmetrical.

"6. The valves are right and left, not dorsal and ventral.

"7. They are articulated by teeth and sockets, which is not the case with *Crania;* and the teeth are developed from the free valve. In all fixed *Brachiopods*, the teeth are on the fixed valve.

"8. The *Hippuritidae* had a large internal ligament (like *Spondylus*) for opening the valves.

"9. The muscular impressions are two only.

"10. The so-called vascular impressions are on the rim of the shell, not on the disc, as in *Crania*, &c.

"11. The *Hippuritidae* have a distinct pallial line."

The above reasons are certainly conclusive, as far as regards their separation from the *Brachiopoda*, but I cannot understand how they fix any reasonably close family relations with either of the families to which Mr. Woodward refers them.

Guadalupae, Roem. id. 79, 5, 4. Tex. *C.*
Occidentalis, Con. 1856, Proc. Acad. 268. Tex. *C.*
quadrata, Con. id. 268. Tex. *C.*
planata, Con. id. 268. Tex. *C.*

Caprinella, d'Orb. 1847 (ICHTHYOSARCOLITHUS,* Desm. 1817).

coraloidea, H. & M. (ICHTHYOSARCOLITHUS), Mem. Acad. Boston, 2d s. vol. v, 380, 1, 3.
Doublieri, d'Orb. (I.), P. F. 191, 541.
triangularis, Desm. Sp. (I.), d'Orb. P. F. 192, 542.

CAPRINULA, d'Orb. 1847.

Boissyi, d'Orb. (**Caprina**), P. F. 188, 540. Fr., Port. *C.*
brevis, Sharpe, Q. J. G. S. vol. vi, 180, 17, 1–2. Port. *C.*
Orbignyi, S. id. 180, 18, 1–2. Port. *C.*

CAPROTINA, d'Orb. 1839.

ammonia, Goldf. Sp. (**Chama**), d'Orb. An. Sc. Nat. 1842, p. 180. Fr., G. *N.*
Archiaciana, d'Orb. P. F. pl. 588. Fr. *C.*
Carantonensis, d'Orb. P. F. 592. Fr. *U. G.*
carinata, d'Orb. P. F. 587. Fr. *U. G.*
Cenomanensis, d'Orb. P. F. 595. Fr. *U. G.*
costata, d'Orb. (**Caprina**), An. Sc. Nat. 1842, 182. Fr., G. *U. G.*
depressa, Math. Sp. (**Monopleura**), d'Orb. P. F. pl. 580, 4–6. Fr. *N.*
Delarueana, d'Orb. P. F. pl. 589. Fr. *U. G.*
gryphoides, Math. Sp. (**Requienia**), d'Orb. P. F. 577. Fr. *N.*
imbricata, Math. Sp. (**Monopleura**), d'Orb. P. F. 580. Fr. *N.*
laevigata, d'Orb. P. F. 586. Fr. *U. G.*
lamellosa, d'Orb. P. F. 576. Fr. *N.*
Lonsdalei, Sow. Sp. (**Diceras**), d'Orb P. F. 573–574. E., Fr., G. *N.*
Marticensis, Math. Sp. (**Dipilidia**), d'Orb. Prod. 260. Fr. *C.*

* It is to be regretted that such a singularly uneuphonious name should take precedence of the one given by M. d'Orbigny, but it cannot be avoided. It is the oldest.

navis, d'Orb. P. F. pl. 585. Fr. *U. G.*
ornata, d'Orb. (**Requienia**), Gabb, 1861. Fr. *U. G.*
quadripartita, d'Orb. (**Caprina**), P. F. 581, 582. Fr. *U. G.*
Roemerii, Gabb, 1861 (**Monopleura** *Texana*, Roem, *not* CAPROTINA Texana, Roem). Texas. *C.*
rugosa, d'Orb. P. F. 584. Fr. *U. G.*
Russiensis, d'Orb. (**Caprina**), Prod. 260. Russia. *C.*
semistriata, d'Orb. (**Caprina**), P. F. 583. Fr. *U. G.*
Senseni, Con. Sp. (**Inoceramus***), Gabb, 1861. Ark. *C.*
striata, d'Orb. (**Caprina**), P. F. 584. Fr. *U. G.*
subaequalis, d'Orb. P. F. 590. Fr. *C.*
sulcata, Math. Sp. (**Monopleura**), d'Orb. P. F. 579. Fr., G. *N.*
Texana, Roem. Kreid. Tex. 80, 4, 2. Tex. *C.*
subtriquetra, Roem. Sp. (**Monopleura**), Gabb, 1861. Tex. *C.*
Toucasiana, d'Orb. P. F. 591. Fr. *C.*
trilobata, d'Orb. (**Caprina**), P. F. 575. Fr. *N.*
unisulcata, Math. Sp. (trilobata), d'Orb. P. F. p. 246.
varians, Math. Sp. (**Monopleura**), P. F. 578. Fr. *N.*

Dipilidia, Math. 1842.

Marticensis, Math. (CAPROTINA), Cat. 113, 7, 1–2.
unisulcata, Math. (C. trilobata), Cat. 112, 8, 9.

HIPPURITES, Lam. 1801.

agariciformis, Delam. Sp. (RADIOLITES), Goldf. P. G. 300, 164, 1.
bioculata, Lam. *not Montf.* An. S. Vert. p. 104. Fr., G. *C.*
bioculatus, Montf. (dilatata), Conch. Syst. 286.
bioculata, Brown (canaliculata), Leth. Geog. 633.
canaliculata, Roland, 1841, Rudist. 50, 3, 2–4. Fr. *C.*
Chiliensis, d'Orb. Am. Merid. 107, 22, 16. N. Gren. *N.*
colliciatus (a), Woodw. Q. J. G. S. vol. xi, 58, 4, 5. Asiatic Turkey. ?
cornucopiae, Defr. (organisans), D. Sc. Nat. 21, p. 196.
cornu-pastoris, Desm. (BIRADIOLITES), Essai sur Sphaer. 141, pl. 10.

* Mr. Conrad has placed this species successively in *Inoceramus*, *Arietina*, and *Requienia*.

cornu-vaccinum, Bronn, Jahrb. fur Min. 1832, p. 171. Fr., G. *C.*
corrugatus (a), Woodw. Q. J. G. S. vol. xi, 58, 4, 4. Asiatic Turkey. ?
costulatus, Goldf. (cornu-vaccinum), P. G. 302, 165, 2.
curva, Lam. (bioculata), An. S. Vert. vol. vii, 598.
dilatata, Defr. D. Sc. Nat. 21, 197. Fr. *C.*
ellipticus, Gein. (RADIOLITES), Char. Kreid. 19, 13–14.
Espaillaciana, d'Orb. An. Sc. Nat. (1842), p. 188. Fr. *C.*
falcata, Reuss, Böhm. Kreid. 55, 45, 16. G. *C.*
fistulae, Defr. (organisans), Dict. Sc. Nat. 21, 197.
Gallo-provincialis, Math. (cornu-vaccinum), Cat. pl. 9, f. 1–3.
Germani, Gein. (RADIOLITES), Char. Kreid. pl. 14, f. 3–5.
gigantea, d'Homb. Firm. (cornu-vaccinum), Rec. de Mem. 198, 4, 1.
inaequicostata, Munst. Goldf. P. G. 303, 165, 4. G. *C.*
Lapierousii, Goldf. (RADIOLITES), 303, 165, 5.
lata, Math. (cornu-vaccinum), Cat. pl. 9, f. 4–5.
Loftusi, Woodw. Q. J. G. S. vol. xi, 58, pl. 3. Asiatic Turkey. ?
Mortoni, Mant. (RADIOLITES), Geol. Suss. p. 130.
Moulinsii, d'Homb. Firm. (cornu-vaccinum), Rec. de Mem. 200, 4, 6.
organisans, Montf. Sp. (**Batholites**), Desm. Essai sur Sph. 146. Fr., G., Syria. *C.*
radiosa, Desm. Essai sur Sphaer. 141, 9, 2. G., Fr. *C.*
Requieniana, Math. Cat. pl. 10, f. 1. Fr., G. *C.*
resecta, Defr. (organisans), D. Sc. Nat. 21, 196.
rugosa, Lam. (bioculata), An. S. Vert. vol. vii, 598.
Saxoniae, Roem. (RADIOLITES), Nord. Kreid. 35, 7, 1.
striata, Defr. (sulcata), Dict. Sc. Nat. 21, 196.
subdilatata, Gein. (RADIOLITES), Char. Kreid. pl. 19, f. 11–12.
sulcata, Defr. D. Sc. Nat. 21, 196. Fr., G. *C.*
sulcata, Goldf. *not Defr.* (organisans), P. G. 302, 165, f. C. D. (*exclus. A. B.*)
sulcata, Goldf. *pars.* (CAPROTINA costata), 302, 165, f. A.
sublaevis, Math. (Requieniana), Cat. pl. 10, f. 1–2.
Syriacus (a), Con. Lynch's Exped. 226, 16, 84. Syria. *C.*
Texanus (a), Roem. Kreid. Tex. 76, 5, 1. Texas. *C.*
Toucasiana, d'Orb. P. F. 172, 532. Fr. *C.*
turgida, Rolland (dilatata), Rudist. 55, 4, 1.
vesiculosus (a), Woodw. Q. J. G. S. vol. xi, 59, 4, 6. Asiatic Turkey. ?

ICHTHYOSARCOLITHUS, Desm. 1817 (**Caprinella**, d'Orb. 1847).

coraloideus, H. & M. Sp. (**Caprinella**), Gabb, 1859, Cat. Cret. 18. Neb. *C.*
cornutus, Tuomey, 1855, Proc. Acad. 172. Ala. *C.*
Doublieri, d'Orb. Sp. (**Caprinella**), Gabb, 1861. Fr. *N.*
loricatus, Tuomey, 1855, Proc. Acad. 172. Ala. *C.*
quadrangularis, T. id. 172. Ala. *C.*
triangularis, Desm. 1817, Jour. de Phys. p. 9. Fr. *U. G.*

Jodamia, Defr. 1822.

bilinguis, Defr. (RADIOLITES Hoeninghausii), D. Sc. Nat. 24, 230.

Monopleura, Math. 1842.

birostrata, Math. (CAPROTINA trilobata), Cat. 107, 3, 9–10.
cingulata, Math. (C. varians), Cat. 107, 3, 8.
depressa, Math. (CAPROTINA), Cat. 110, 4, 5.
imbricata, Math. (CAPROTINA), id. 110, 4, 2.
subtriquetra, Roem. (CAPROTINA), Kreid. Tex. 81, 5, 5.
sulcata, Math. (CAPROTINA), Cat. 109, 3, 14–15.
Texana, Roem. (C. Roemeri), Kreid. Tex. 81, 5, 3.
Urgonensis, Math. (C. trilobata), Cat. 108, 3, 11–13.
varians, Math. (CAPROTINA), Cat. 106, 3, 1–7.

Plagioptychus, Math. 1842.

paradoxus, Math. (CAPRINA Aguilloni), Cat. 116, pl. 5.
Toucasianus, Math. (C. Coquandiana), id. 117, 6.

RADIOLITES, Lam. 1801.

acuta, d'Orb. An. Sc. Nat. 1842, p. 188. Fr. *C.*
acuticostata, d'Orb. id. 185. Fr., G. *C.*
agariciformis, Delam. Sp. (**Sphaerulites**), d'Orb. P. F. 200, 544, 545. Fr., G. *U. G.*
Aimesii, Tuomey, 1855, Proc. Acad. 172. Ala. *C.*

alata, d'Orb. P. F. pl. 569. Fr. *C.*
angeioides, Lam. An. S. Vert. vol. vii, 130. Fr., Port. *C.*
angulosa, d'Orb. An. S. Nat. 1842, 183. Fr. *C.*
Austinensis, Roem. Kreid. Tex. 77, 6, 1. Tex., Ala., Miss. *C.*
Bourmonii, Desmoul. Sp. (**Sphaerulites**), d'Orb. An. Sc. Nat. 188. Fr. *C.*
calceoloides, Desm. Sp. (**Sphaerulites**), d'Orb. Prod. 260. Fr. *C.*
crateriformis, Desm. Sp. " d'Orb. An. Sc. Nat. 188. Fr. *C.*
cylindracea, Desm. Sp. " d'Ord. Prod. 260. Fr., Port. *C.*
Desmoulinsiana, Math. Cat. pl. 8. Fr. *C.*
dilatata, Desm. Sp. (S.), d'Orb. P. F. 225, 568. Fr. *C.*
elliptica, Gein. Sp. (**Hippurites**), d'Orb. Prod. 200. G. *C.*
excavata, d'Orb. P. F. 215, 556. Fr. *C.*
Fleuriausiana, d'Orb. An. Sc. Nat. 182. Fr. *U. G.*
foliacea, Desm. (agariciformis), d'Orb. An. Sc. Nat. 182.
Gallo-provincialis, Math. (angeioides), Cat. pl. 7, f. 3.
Germani, Gein. Sp. (**Hippurites**), d'Orb. Prod. 200. G. *C.*
Hoeninghausii, Desm. Sp. (**Sph.**), d'Orb. An. Sc. Nat. 188. Fr. *C.*
horrida, d'Orb. (acuticostata), An. Sc. Nat. 186.
ingens, Desm. Sp. (**Sphaerulites**), d'Orb. Prod. 260. Fr. *C.*
irregularis, d'Orb. P. F. 221, 562, 5–7. Fr. *C.*
Jouannetii, Desm. Sp. (**Sph.**), d'Orb. P. F. 223, 564. Fr. *C.*
Lamarckii, Math. (ageioides), Cat. pl. 7, f. 4–5.
lamellosa, d'Orb. (Fleuriausiana), An. Sc. Nat. 182.
lamellosus (a), Tuomey, 1855, Proc. Acad. 171. Ala. *C.*
Lapeyrousii, Goldf. Sp. (**Hippurites**), d'Orb. Prod. 260. G., Fr. *C.*
lombricalis, d'Orb. An. Sc. Nat. 183. Fr. *C.*
mammillaris, Math. Cat. pl. 7, f. 6–7. Fr., G. *C.*
Mantelli, Woodw. Q. J. G. S. vol. xi, 60, 5, 4. Fr. *U. G.*
Marticensis, d'Orb. P. F. 199, 543, 4–5. Fr., Port. *N.*
Martiniana, d'Orb. An. Sc. Nat. 183. Fr. *C.*
Mortoni, Mant. Sp. (**Hippurites**), Woodw. Q. J. G. S. vol. xi, 59, 5, 1–2. E. *C.*
Neocomensis, d'Orb. An. Sc. Nat. 180. Fr. *N.*
Ormondii, Tuomey, 1855, Proc. Acad. 171. Ala. *C.*
Pailleteana, d'Orb. An. Sc. Nat. 184. Fr. *C.*
polyconilites, d'Orb. id. 182. Fr. *U. G.*
Ponsiana, d'Arc. Sp. (**Sph.**), d'Orb. id. 183. Fr., Port. *C.*

radiosa, d'Orb. id. 183. Fr. *C.*
rotularis, Lam. (angeioides), An. S. Vert. vol. vii, 130.
Royana, d'Orb. P. F. 228, 571, 1–3. Fr. *C.*
Sauvagesii, d'Homb. Firm. Sp. (**Sphaerulites**), d'Orb. P. F. 211, 553. Fr., Port. *C.*
Saxoniae Roem. Sp. (**Hippurites**), d'Orb. Prod. 174. G. *U. G.*
sinuata, d'Orb. P. F. 227, 570. Fr. *C.*
socialis, d'Orb. P. F. 213, 555, 1–3. Fr. *C.*
squamosa, d'Orb. An. Sc. Nat. 186. Fr. *C.*
subdilatata, Gein. Sp. (**Hippurites**), d'Orb. Prod. 200. G. *C.*
Toucasiana, d'Orb. P. F. 216, 557. Fr. *C.*
triangularis, d'Orb. An. Sc. Nat. 181. Fr. *U. G.*
Tuomeyana, Gabb, 1861 (*undulata*, Tuomey, *not d' Orb.*). Ala. *C.*
turbinata, Lam. (angeioides), An. S. Vert. vol. vii, 233.
undulata, Gein. Sp. (**Sph.**), d'Orb. Prod. 200. G. *C.*
undulata, Tuomey (Tuomeyana), 1855, Proc. Acad. 172.
Ventricosa, d'Orb. (angeioides), An. Sc. Nat. 184.

Requienia, Math. 1842 (CAPROTINA, d'Orb. 1839).*

carinata, Math. *not C. carinata, d' Orb.* (C. Lonsdalei), Cat. 104, 2, 1–2.
gryphaeoides, Math. (CAPROTINA), Cat. 104, 2, 6–7.
ornata, d'Orb. (CAPROTINA), P. F. 257, 584, 2–4.
Senseni, Con. Sp. (CAPROTINA), Jour. Acad. 2d s. vol. ii, 229, 27, 8.

Sphaerulites, Delam. 1805 (RADIOLITES, Lam. 1801).

agariciformis, Del. (RAD.), Jour. de Phys. t. lxi, 396, 57, 12.
Bournonii, Desm. (R. dilatata), Essai sur Sphaer. p. 124.
bioculata, Desm. *not Hippurites, id. Lam.* (H. cornu-vaccinum). Essai sur les Sphaer. p. 115, pl. 5.
calceoloides, Desm. (RAD.), id. 130, 9, 1.
crateriformis, Desm. (RAD.), id. 94, 1–2.
cylindracea, Desm. (RAD.), id. pl. 4, f. 1–3.

* In Pal. Fr., all the species of this genus, except *ornata*, are quoted on the plate as CAPROTINA, and in the text as REQUIENIA. For that reason, under CAPROTINA, I have only quoted the plate as reference. I shall, therefore, omit those species here.

dilatata, Desm. (RAD.), id. 128, pl. 8.
foliacea, Lam. (R. agariciformis), An. S. Vert. vol. vi, 232.
Hoeninghausii, Desm. (RAD.), Sphaer. 118, 6, 2.
ingens, Desm. (RAD.), id. 122.
Jouanneti, Desm. (RAD.), id. pl. 3.
navis, Rolland. (CAPROTINA), d'Orb. P. F. 225, 587, 588.
Ponsiana, d'Arc. (RAD.), M. G. S. F. 1835, pl. 11, f. 6.
rotularis, Lam. (R. angeioides), Desm. Essai, Sph.
Sauvagesii, d'Homb. Firm. (RAD.), Mem. 1837, 193, 2.
turbinata, Lam. Sp. (R. angeioides), Desm. Essai, Sph.
undulata, Gein. (RAD.), Char. Kreid. 87, 19, 6–10.
ventricosa, Lam. Sp. (RAD.), Desm. Sphaer.

BRACHIOPODA.

Anomia, Colonni, 1616* (TEREBRATULA).

biplicata, Brocchi (TEREBRATULA), Conch. Foss. 469.
vespertilio, Broch. (RHYNCHONELLA), see P. F. p. 44.

Anomites, Wahl. (TEREBRATULA).

craniolaris-Egnabergensis, W. (CRANIA Egnabergensis), Soc. Upsal. vol. viii, 1821, p. 60.
striatus, Wahl. (TEREBRATULINA), id. vol. viii, p. 6.
triangularis, W. (RHYNCHONELLA depressa), id. vol. viii, pl. 3, f. 11–13.

ARGIOPE, Deslong. 1842 (**Megathyris**, d'Orb. 1847).

Bronnii, Hagen. Sp. (**Orthis**), Davidson, British Cret. Brach. 102, 3, 1–3, and pl. 12, 37–38. E., Fr., G. *C.*
decemcostata, Roem. (MEGATREMA), Nord. Kreid. 21, 7, 13.
decemcostata, Dav. (Bronnii), Brach. p. 16.
depressa, d'Orb. Sp. (**Megathyris**), Gabb, 1861. Fr. *C.*
Duvalii, Dav. (Bronnii), Q. J. G. S. 1847, 113, 18, 15–18.
megatrema, Sow. Sp. (**Terebratula**), Dav. Brach. 101, 12, 31, 32. E., Fr., G. *C.*

* Pre Linnæan.

CRANIA, Retzius, 1781.

antiqua, Defr. D. Sc. Nat. 2, 312, 80, 1. E., Fr., G. *C.*
arachnites, Leym. M. G. S. F. 2d s. vol. iv, 196, B. 7–8. Fr. *C.*
Brattemburgensis, Stobaeus, Sp. (**Nummulus**), d'Orb. Prod. 259. G. *C.*
Cenomanensis, d'Orb. P. F. 138, 524, 1–4. E., Fr. *U. G.*
costata, Sow. Genera of Shells, No. 12, f. 6. E., Fr., G., Sw. *C.*
Egnabergensis, Retz. Berlin, Gesells. vol. ii, 75, 1, 4–7. E., Fr., G., Sw. *C.*
hexagona, Roem. Ool. pl. 18, f. 2. G. *N.*
gracilis, Münst. Goldf. 296, 163, 2. G. *U. G.*
Ignabergensis, d'Orb. (Egnabergensis), P. F. 142, 526, 1–6.
irregularis, Roem. Nord. Kreid. p. 36. G. *N.*
marginata, Roem. id. 36. G. *N.*
nodulosa, Hoen. Goldf. pl. 196, f. 9. G. *C.*
nummulus, Lam. (Brattemburgensis), Goldf. P. G. 165, 5.
ovalis, Woodw. Geol. Norf. pl. 6, f. 16. E. *C.*
Parisensis, Defr. D. Sc. Nat. vol. xi, 313. E., Fr., G. *C.*
Rhotomagensis, d'Orb. P. F. 139, 524, 5–7. Fr. *U. G.*
spinulosa, Nils. P. Suec. 37, 3, 9. Sw., G. *C.*
striata, Defr. (Egnabergensis), D. Sc. Nat. vol. xi, 313.
tuberculata, Nils. P. S. 37, 3, 10. Sw., G., Denmark. *C.*

Fissurirostra, d'Orb. 1847 (TRIGONESIMUS, Konig. 1825).

elegans, Konig. Sp. (TRIGONESIMUS), d'Orb. P. F. 134, 520, 9–13.
pectita, d'Orb. (TRIGONESIMUS), P. F. 136, 520, 14–18 (*not Terebratula pectita Sow.*).
pulchella, Nils. Sp. (TRIGONESIMUS), d'Orb. Prod. 259.
recurva, Defr. Sp. (T. elegans), d'Orb. P. F. 133, 520, 1–8.

KINGENA, Dav. 1852.

lima, Defr. Sp. (**Terebratula**), Davidson, Brit. Brach. 42, 4, 15–21. E., Fr. *C.*

LINGULA, Brug. 1791.

Meyeri, Dunker. Palaeont. No. 1, 113, 18, 9. G. *C.*
ovalis, Sow. M. Con. pl. 19. E. *

* An English author (Davidson, I think) says this species belongs to the Kimmeridge clay, and not to the Lower Greensand, as generally quoted.

Rauliniana, d'Orb. (truncata), P. F. 10, 490.
subovalis, Davidson, Cret. Brach. 7, 1, 29, 30. E. *U. G.*
subspatulata, H. & M. Mem. Acad. Boston, vol. v, 380, 1.
truncata, Sow. G. T. vol. iv, pl. 14, f. 15. E., Fr. *G., N.*

MAGAS, Sow. 1816.

pumilus, Sow. M. Con. 119. E., Fr., G., Russia. *C.*

Megathiris, d'Orb. 1847 (ARGIOPE, Desl. 1842).

cuneiformis, d'Orb. (A. Bronni), P. F. 147, 521, 1–11.
depressa, d'Orb. (ARGIOPE), P. F. 149, 521, 12–16.

Nummulus, Stob. 1732 (CRANIA, Retz. 1781).

Brattemburgensis, Stob. (CRANIA), Dissert. Epist. d'Orb. Prod. 259.
minor, Stob. (C. Engabergensis), Opusc. p. 31, f. 3–4.

ORBICULOIDEA, d'Orb. 1847.

subradiata, d'Orb. Prod. 120. Fr. *L. G.*

ORTHIS, Dalman, 1838.

Bronni, Hagen. (ARGIOPE), N. Jahrb. fur Min. 1842, pl. 9, f. 7.
Buchii, Hagen. (A. Bronni), id. pl. 9, f. 8.
millepunctatus, Konick, 1843, Mem. Soc. Liege, pl. 6, f. 1. Belg. *U. G.*

RHYNCHONELLA, Fisch. 1825.*

Agassizii, d'Orb. P. F. 17, 494, 1–4. Fr. *N.*
antidichotoma, Buvignier, Sp. (**Terebratula**), d'Orb. P. F. pl. 500. Fr., G. *G.*
Baugasii, d'Orb. P. F. 43, 498, 10–13. Fr. *C.*
Berthelotii, d'Orb. P. F. p. 39. Fr. *U. G.*
Clementina, d'Orb. P. F. 28, 495, 8–12. Fr. *G.*

* It is remarkable that not a single *Rhynchonella* has ever yet been reported from the American Cretaceous; nor am I acquainted with an American Tertiary species.

compressa, Lam. Sp. (**Terebratula**), d'Orb. P. F. 35, 497, 1–6. Fr., G., E. *U. G.*
contorta, d'Orb. P. F. 34, 496, 14, 17. Fr. *U. G.?*
contracta, d'Homb. Firm. Sp. (**Terebratula**), d'Orb. P. F. p. 24. Fr. *N.*
Cuvieri, d'Orb. P. F. 39, 497, 12–15. Fr. *U. G., C.*
Danica, d'Orb. Prod. 295. Fr. *Danien.*
decipiens, Dub. Sp. (**Terebratula**), d'Orb. P. F. 25, 494, 13–16. Fr., Cr. *L. G.*
depressa, Sow. Sp. (**Terebratula**), d'Orb. P. F. 18, 491, 1–7. Fr., G., E. *N.*
Desnoyersii, d'Arc. Sp. (**Terebratula**), d'Orb. Prod. 172. Fr., G. *U. G.*
dichotoma, d'Orb. Prod. 172. Fr. *U. G.*
difformis, Lam. Sp. (compressa), d'Orb. P. F. 41, 498, 6–9.
Dutempleana, d'Orb. (*per err.* subplicata), P. F. pl. 499, 12–15.
Emerici, d'Orb. P. F. 28, 495, 13–17. Fr., G. *G.*
Gibbsiana, Sow. Sp. (**Terebratula**), Dav. Brach. 98, 12, 11–12. E. *U. G.*
Grasiana, d'Orb. P. F. 38, 497, 7–11. E., Fr. *U. G.*
Guerinii, d'Orb. P. F. 17, 500, 5–8. Fr. *N.*
incurva, Schlot. Sp. (**Terebratula**), d'Orb. Prod. 294. Faxoe. *Danien.*
Lamarckiana, d'Orb. P. F. 32, 496, 5–13. Fr. *U. G.*
lata, Sow. Sp. (latissima), d'Orb. P. F. 21, 491, 8–17.
latissima, Sow. Sp. (**Terebratula**), Dav. Brach. 82, 11, 6–22. E., Fr., G., Sw. *U. G., N.*
limbata, Schlot. Sp. (**Terebratulites**), Dav. Brach. 79, 12, 1–5. E., Fr., G., Sw. *C.*
lineolata, Park. Sp. (**Terebratula**), Dav. id. 98, 12, 6–10. E. *L. G.*
Mantelliana, Sow. Sp. (**Terebratula**), d'Orb. P. F. 40, 498, 1–5. E., Fr., G. *C.*
Martini, Mant. Sp. (**Terebratula**), Dav. Brach. 94, 12, 15–16. E., Fr., G. *C., U. G.*
Moutoniana, d'Orb. P. F. 15, 494, 16–19. Fr. *N.*
nuciformis, Sow. Sp. (**Terebratula**), Dav. Brach. 93, 11, 23–27. Fr., E. *U. G.*
octoplicata, Sow. Sp. (plicatilis), d'Orb. P. F. 46, 498, 8–10.
parvirostris, Sow. Sp. (**Terebratula**), Dav. Brach. 97, 12, 13–14. E. *L. G.*
paucicosta, Roem. Sp. (**Terebratula**), d'Orb. Prod. 172. G. *U. G.*

paucicostata, d'Orb. (*per err.* Agassizii), P. F. pl. 494, 1–4.
pecten, d'Orb. P. F. 29, 495, 18–22. Fr. *G.*
peregrina, Von Buch. Sp. (**Terebratula**), d'Orb. P. F. 16, 493. Fr. *N.*
pisum, Sow. Sp. (Martini), d'Orb. Prod. 171.
plicatilis, Sow. Sp. (**Terebratula**), d'Orb. Prod. 257, Davidson. E., Fr., G., Sw., Crimea. *C., U. G.*
polygona, d'Orb. P. F. 30, 496, 1–4. Fr., G. *G.*
Renauxiana, d'Orb. P. F. 23, 492, 5–8. Fr. *N.*
subplicata, Mant. Sp. (limbata), d'Orb. P F. 48, 499, 12–15.
sulcata, Park. Sp. (**Terebratula**), d'Orb. P. F. 26, 495, 1–7. E., Fr., G. *U. G., N.*
triangularis, Wahl. Sp (depressa), Sharpe, Q. J. G. S. 1853, p. 192.
vespertilio, Broc. Sp. (**Anomia**), d'Orb. P. F. 44, 499, 1–8. Fr., Italy. *C.*

TEREBRATELLA, d'Orb. 1847.

Astieriana, d'Orb. P. F. 116, 516, 6–12. Fr. *L. G.*
Bourgeoisiana, d'Orb. P. F. 124, 519, 10–16. Fr. *C.*
canaliculata, Roem. Sp. (**Terebratula**), d'Orb. Prod. 173. G. *U. G.*
Carantonensis, d'Orb. P. F. 122, 518, 1–4. Fr. *U. G.*
decemcostata, Roem. Sp. (**Terebratula**), d'Orb. Prod. 173. G. *U. G.*
Menardi, Lam. Sp. (**Terebratula**), d'Orb. P. F. 118, 517, 1–15. Fr., G., E. *U. G.*
Moreana, d'Orb. P. F. 117, 516, 13–19. Fr. *G.*
Neocomensis, d'Orb. P. F. 115, 516, 1–5. Fr. *N.*
oblonga, Sow. Sp. (TEREBRATULA), d'Orb. P. F. 113, 515, 7–9.
orthiformis, d'Arc. Sp. (**Terebratula**), d'Orb. Prod. 173. G. *U. G.*
Parisensis, d'Orb. Prod. 259. Fr. *C.*
pectita, Sow. Sp. (**Terebratula**), d'Orb. P. F. 120, 517, 16–20. E., Fr., G., Sw. *U. G.*
plicata, Say. Sp. (**Terebratula**), d'Orb. Prod. 259. N. J. *C.*
quadrata, Sow. Sp. (**Terebratula**), d'Orb. Prod. 85. E. *N.*
reticulata, Pusch. Sp. (**Terebratula**), d'Orb. P. F. 112, 515, 1–6. Fr., G. *N.*
Rhodani, P. & R. Env. Genèv. 539, 51, 9. Fr. *G.*

Santonensis, d'Arc. Sp. (**Terebratula**), d'Orb. P. F. 123, 518, 5–9. Fr. *C.*
Sayi, Morton, Sp (plicata), Gabb, 1859, Cat. Cret. p. 17.
Vanuxemi, Lyell & Forbes, Sp. (**Terebratula**), d'Orb. Prod. 259. N. J. *C.*

TEREBRATULA, Lwyd, 1699, Klein, 1753.

alata, Lam. *not Buch.* (R. vespertilio), An. S. V. vol. vi, 254.
alata, Brong. Sp. (R. compressa), Env. Par. pl. 4, f. 6.
Albensis, Leym. (obesa), M. G. S. F. vol. v, p. 11, 15, 1–3.
Albensis, Leym. (semiglobosa), id. vol. iv, 288 and 289, *not* vol. v.
antidichotoma, Buvign. (RHYNC.), 1843, Mem. Soc. Verd. vol. ii, 13, 5, 7.
arabilis, Forbes, G. T. vol. vii, 138, 18, 12. India. *C.*
arenosa, d'Arc. M. G. S. F. 2d s. vol. ii, 324, 21, 1–3. Fr. *U. G.*
Astieriana, d'Orb. P. F. 116, 516, 6–12. Fr., E., G. *G.*
Atlantica, Morton (Harlani, *juv.*), Jour. Acad. 1st s. vol. viii, 214.
auriculata, Roem. (TEREBRATULINA striata), Nord. K. 39, 7, 9.
Beaumonti (ii), d'Arc. M. G. S. F. 1847, 331, 21, 12, 14. G. *U. G.*
biplicata, Broc. Sp. (**Anomia**), Defr. D. Sc. N. 53, p. 151. E., Fr., G., Italy. *U. G.*
biplicata, Roem. (praelonga), Ool. & Kreid. p. 43.
biplicata, var. acuta, V. Buch. (praelonga), M. G. S. F. 1834, vol. iii, 220.
biplicata, Leym. (praelonga), id. vol. v, p. 29.
biplicata, pars. V. Buch. (sella), id. 1834, p. 218.
biplicata, d'Orb. (Tornacensis), P. F. 511, 9–15.
Bonei, d'Arc. (Tornacensis), M. G. S. F. 2d s. vol. ii, 318, 18, 7.
bulla, Sow. (semiglobosa), M. Con. pl. 27, f. 11.
biangularis, Desh. (semistriata), M. G. S. F. vol. v, 11, 14, 4.
camilla, Morton (Harlani), Synopsis, p. 70.
canaliculata, Roem. (TEREBRATELLA), Nord. Kreid. 41, 7, 12.
canaliculata, d'Arc. (TEREBRIROSTRA), M. G. S. F. vol. ii, 331, 21, 15.
capillata, d'Arc. M. G. S. F. 2d s. vol. ii, 323, 20, 1–3. Fr., E. *U. G., C.*
carnea, Sow. M. Con. 15. E., Fr., Sw., G., Russ., Crimea. *C., U. G.*
carnea, Brown, *not Sow.* (ovata), Ind. Pal. 1232.

Carteri, Dav. Cret. Brach. 72, 7, 3. E. *C.*
Carteroniana, d'Orb. P. F. 80, 507, 1–5. Fr., Port. *N.*
Choctawensis, Shum. Marcy's Rep. 195, 2, 3. Tex. *C.*
chrysalis, Schlot. (TEREBRATULINA), Leonhardt's Min. Tasch. vol. vii, pl. 26.
collinaria, d'Orb. P. F. 81, 507, 6–10. Fr. *N.*
compressa, Lam. (RHYNCHONELLA), An. S. Vert. vol. vi, 256.
concava, Lam. (MAGAS pumilus), id. 251.
contracta, d'Homb. Firm. (RHYNCHONELLA), M. Lin. Soc. Normand. pl. 10, 53–61.
convexa, Sow. (R. lata), G. T. vol. iv, pl. 14, f. 2.
costata, Desh. (R. Lamarckiana), Ed. Lam. 358.
crassa, d'Arc. (Tornacensis), M. G. S. F. 2d s. vol. ii, 318, 18, 8.
crassificata, d'Arc. (Tornacensis), id. 318, 19, 1.
decemcostata, Brown. (ARGIOPE), Ind. Pal. 1234.
decipiens, Dubois (RHYNCHONELLA), d'Orb. P. F. p. 25.
depressa, Sow. *not Lam.* (RHYNCHONELLA), M. Con. 502.
depressa, Lam. An. S. Vert. vol. vi, 249. G., Fr., E. *U. G.*
deformis, Defr. (R. compressa), D. Sc. Nat. 53, 160, 5–3.
difformis, Lam. (R. compressa), An. S. Vert. vol. vi, 265.
Desnoyersii, d'Arc. (RHYNCHONELLA), M. G. S. F. 2d s. vol. ii, 332, 22, 2.
dilatata, Sow. (R. compressa), G. T. vol. iv, pl. 18, f. 2.
Defrancii, Brong. (TEREBRATULINA striata), Env. Par. 383, 3, 6.
diphyoides, d'Orb. P. F. 87, 509. Fr. *N.*
disparilis, d'Orb. *pars.* (rugulosa), P. F. 100, 512, 12–13.
disparilis, d'Orb. *pars.* (squamosa), P. F. 100, 512, 16, 17.
dissimilis, Schlot. (R. compressa), Petr. 1820.
divaricata, Leym. M. G. S. F. 2d s. vol. iv, 197, 13, 9. Fr. *C.*
Dutempleana, d'Orb. (biplicata), P. F. 93, 811, 1–8.
Duvalii, Davidson (ARGIOPE cuneiformis), Q. J. G. S. vol. v, pl. 18, f. 15–18.
Ebrondunensis, Ag. (semistriata), d'Orb. P. F. 83.
echinulata, Dujard. (TEREBRATULINA), M. G. S. F. vol. ii, 223, f. 222.
elegans, Konig. (TRIGONESIMUS), Icon. Foss. Sect. 3, 6, 73.
elegans, Sow. (R. lata), M. Con. 14, 11.
elegans, Defr. (THECIDEA papillata), D. Sc. Nat. 53, 157.
elongata, Sow. (carnea), M. Con. 435.
faba, Sow. (biplicata), M. Con. pl. 14, f. 10.

faba, d'Orb. *not Sow.* (WALDHEIMEA Celtica), P. F. 77, 14, 10.
Faujasii, Roem. (TEREBRATULINA striata), Nord. Kreid. pl. 7, f. 8.
Floridana, Morton (TEREBRATULINA), Syn. 72, 16, 7.
fragilis, Morton, *not Schlot.* (Harlani), Syn. 70, 3, 2.
Francii, Hisinger (TEREBRATULINA striata), Leth. Suec. 78, 22, 10.
Gallina, Brong. (R. compressa), Env. Par. 84, 9, 2.
Gallina, Roem. (R. latissima), Kreid. 37.
Gervilliana, Defr. (T. striata), D. Sc. Nat. 1828, p. 157 (*young*).
Gibbsiana, Sow. (RHYNCHONELLA), M. Con. 537.
Gibbsiana, Forbes (R. latissima), Q. J. G. S. vol. i, 345.
gracilis, Schlot. (TEREBRATULINA), in d'Orb. Murch. Geol. Russ. 495, 43, 24.
Guadalupae, Roem. Kreid. Tex. 82, 6, 3. Tex. *C.*
Gibbsiana, Roem. (R. plicatilis), Nord. Kreid. 27.
Harlani, Morton, Syn. 70, 3, 1, and pl. 9, f. 8–9. N. J. *C.*
Haueri, Karst. Geog. Vert. N. Gren. pl. 6, f. 1. N. Gren. *N.*
Hebertiana, d'Orb. (KINGENA lima), P. F. 108, 514, 5–11.
hippopus Roem. Nord. Kreid. 114, 16, 28. Fr., G. *N.*
incurva, Schlot. (RHYNCHONELLA), Cat. p. 72.
incisa, Munst. Von Buch. M. G. S. F. vol. iii, p. 204. Sw., Faxoe. *Dan.*
intermedia, Defr. *not Sow.* (semiglobosa), D. Sc. Nat. 53, 149.
Keyserlingii, Sharpe (Tornacensis), Q. J. G. S. vol. x, p. 191.
lachryma, Morton (TEREBRATULINA), Syn. 72, 10, 11.
lacryma, d'Orb. (ovata), P. F. pl. 512, 6–11.
lacrymosa, d'Orb. (ovata), Prod. 172.
lata, Sow. (R. latissima), M. Con. 502.
latissima, Sow. (RHYNCHONELLA), Index, M. Con.
latissima, Reuss, *not Sow.* (R. compressa), Böhm. Kreid. 47.
Lemaniensis, P. & R. Env. Genèv. 538, 51, 5–7. Fr., G. *G.*
*Leonensis, Con. Emory's Rep. 165, 21, 2. Tex. *C.*
lentiformis, Woodw. (R. limbata), G. Norf. pl. 6, f. 11.
lentoidea, Leym. (sella), M. G. S. F. vol. v, 12, 15, 10.
lens, Nilss. (carnea?), P. Suec. 35, 4, 6.
lima, Defr. (KINGENA), D. Sc. Nat. 53, 156.
lentoidea, Reuss (semiglobosa), B. Kreid. 53, 26, 13.
lineolata, Phil. (RHYNCHONELLA), Geol. York, 2, 17.

* Probably the same as Wacoensis Roem.

longa, Roem. (biplicata), Ool. pl. 18, f. 12.
longirostris, Nils. P. Suec. pl. 4, f. 1. G., Sw. *C.*
lyra, König. Sp. (TRIGONESIMUS), Sow. M. Con. 138.
Mantelliana, Sow. (RHYNCHONELLA), M. Con. 537.
Marcousiana, d'Orb. P. F. 82, 507, 11–14. Fr. *N.*
Martini, Mant. (RHYNCHONELLA), Geol. Suss. 131.
megatrema, Sow. G. T. vol. iv, 242, 18, 3. E. *U. G.*
Menardi, Lam. (TEREBRATELLA), An. S. Vert. 6, 256.
Menardi, Leym. *pars.* (T. Astieriana), M. G. S. F. vol. v, 29, 15, 12.
Menardi, Leym. *pars.* (T. oblonga), id. p. 29.
Moreana, d'Orb. P. F. 79, 506, 13–16. Fr. *N.*
Moutoniana, d'Orb. P. F. 89, 510, 1–5. Fr., G., Port. *L. G., N.*
multiformis, Roem. (R. depressa), Ool. pl. 2, f. 22.
Nerviensis, d'Arc. id. M. G. S. F. 2d s. vol. ii, 313, 17, 2.
nuciformis, Sow. (RHYNCHONELLA), M. Con. 502.
obesa, Sow. M. Con. 438, f. 1. E., Fr., G. *C.*
oblonga, Sow. M. Con. 535. E., Fr., G. *N.*
obtusa, Sow. (biplicata), M. Con. 437, and Bronn, Cat. Terebrat. in Brit. Mus. p. 23 and 24.
ornata, Roem. (TEREBRATULINA), Nord. K. 40, 7, 10.
orthiformis, d'Arc. (TEREBRATELLA), M. G. S. F. 2d s. vol. ii, 333, 22, 4.
octoplicata, Sow. (R. plicatilis), M. Con. 118.
ovalis, Sow. (ovata), G. T. vol. iv, p. 130.
ovalis, Morris (depressa), Q. J. G. S. Nov. 1846.
ovata, Sow. M. Con. vol. i, 15, 3. E., Fr., G., Crimea. *L. G.*
ovata, Nils. *not Sow.* (carnea), P. Suec. 34, 4, 3.
parva, d'Arc. M. G. S. F. 2d s. vol. ii, 322, 19, 7. Fr., G. *U. G.*
parvula, d'Arc. (parva), id. pl. 19, f. 8.
parvirostris, Sow. (RHYNCHONELLA), G. T. 2d s. vol. iv, pl. 14, f. 13.
paucicosta, Roem. (RHYNCHONELLA), Nord. K. 38, 7, 6.
pectita, Sow. (TEREBRATELLA), M. Con. 138.
pectinata, Smith (T. pectita), 1826 or '27, Org. Foss. f. 4.
pectoralis, Reuss (semiglobosa), Böhm. Kreid. 52, 26, 12.
pentagonalis, Phil. (TEREBRATULINA striata), G. York, 1, 17.
pentangulata, Woodw. (KINGENA lima), G. Norf. pl. 6, f. 10.
peregrina, Von Buch. (RHYNCHONELLA), M. G. S. F. 3, 156, 15, 28.
perovalis, Roem. (Moutoniana), Ool. pl. 2, f. 3.

phaseolina, Lam. (biplicata), An. S. Vert. vol. vi, 251.
pisum, Sow. (R. Martini), M. Con. 536.
plicata, Sow. *not Lam.* (biplicata), M. Con. 437.
plicatilis, Sow. (RHYNCHONELLA), M. Con. 118.
plicatilis, Leym. (R. latissima), M. G. S. F. vol. v, p. 29.
plicatilis, Brong. (R. Lamarckiana), Env. Par. pl. 4, f. 5.
praelonga, Sow. G. T. 2d s. vol. iv, pl. 14, f. 14. E., Fr., G *N.*
pseudojurensis, Leym. M. G. S. F. vol. v, 12, 15, 5–6. Fr. *N.*
pulchella, Nilss. (TRIGONESIMUS), P. S. pl. 3, f. 14.
pumila, Lam. (THECIDEA papillata), An. S. Vert. vol. vi, No. 58.
pumila, Von Buch, Desh., Gein., Leym., Bronn & Roem. *not Lam.* (MAGAS).
Puschiana, Roem. (TEREBRATELLA reticulata), Kreid. 114, 16, 29.
quadrata, Sow. (T. quadrata), G. T. 2d s. vol. iv, 130, 14, 19.
recurva, Defr. (TRIGONESIMUS elegans), D. Sc. Nat. 53, 161.
reticulata, Pusch. *not Sow.* (TEREBRATELLA), Pol. Pal. pl. 3, f. 11.
revoluta, Sharpe (Tornacensis?), Q. J. G. S. vol. x, 191.
rigida, Sow. (TEREBRATULINA gracilis), M. Con. 536.
Robertoni, d'Arc. M. G. S. F. 2d s. vol. ii, 315, 18, 2. Fr., E. *U. G., G.*
Roemeri, d'Arc. (Tornacensis), M. G. S. F. 2d s. vol. ii, 318, 18, 6.
rostralina, Roem. (depressa), Ool. 20, 18, 7.
rostrata, Sow. (R. Lamarckiana), M. Con. 537.
rostrata, Leym. (R. depressa), M. G. S. F. vol. v, 18, 15, 11.
rugulosa, Morris (disparilis), An. Mag. Nat. Hist. vol. xx, 253, 18, 5.
rustica, d'Arc. (Tornacensis), M. G. S. F. 2d s. vol. ii, 318, 19, 2.
Santonensis, d'Arc. (TEREBRATELLA), id. 181, 13, 14.
Sayi, Morton (TEREBRATELLA plicata), Syn. 71, 3, 3–4.
Scaldinensis, d'Arc. (R. Lamarckiana), M. G. S. F. 2d s. vol. ii, pl. 22.
sella, Sow. M. Con. 437. E., Fr. *L. G., N.*
semiglobosa, Sow. M. Con. pl. 15. E., Fr., G., Sw. *C.*
semistriata, Defr. d'Orb. P. F. 508, 1–11. Fr., G. *N.*
sexradiata, Sow. (KINGENA lima), Dix. Geol. Suss. 346, 27, 10.
spinulosa, Morris, id. An. & Mag. Nat. Hist. vol. xx, 253, 18, 6, 6*a*.
squamosa, Mant. G. Suss. 132. E., Fr. *U. G.*

subarenosa, d'Arc. (Arenosa), M. G. S. F. vol. ii, 324, 21, 4–5.
subfragilis, d'Orb. (Harlani), Prod. 258.
subrotunda, Sow. *pars.* (carnea), M. Con. 15.
subrotunda, Sow. *pars.* (semiglobosa), M. Con. 15, f. 1–2.
suborbicularis, d'Arc. (semistriata), M. G. S. F. vol. iii, 311.
subplicata, Roem. (R. plicatilis), Kreid. 38.
subplicata, Mant. (R. subplicata), G. Suss. 211, 26, 5.
subplicata, Mant. *pars.* (R. limbata), id. 211.
striatula, Phil. *not Mant.* (TEREBRATULINA auriculata), G. York, pl. 2, f. 28.
striatula, Mant. (TEREBRATULINA striata), G. Suss. 131, 25, 7.
subtrilobata, Leym. (WALDHEIMEA tamarindus), M. G. S. F. vol. v, 12, 15, 7–9.
subundata, Sow. (semiglobosa), M. Con. 15.
subundata, Roem. (praelonga), N. Kreid. 43, 7, 15.
subundata, Phil. (Dutempleana), Geol. York. pl. 2, f. 25.
sulcata, Park. (RHYNCHONELLA), G. T. 1st s. vol. v, p. 57.
sulcata, Forbes (R. depressa), Q. J. G. S. vol. i, 345.
sulcifera, Morris & Davidson, An. & Mag. N. H. vol. xx, 254, 18, 7. E. *C.*
tamarindus, Sow. (WALDHEIMEA), G. T. vol. iv, pl. 14, f. 8.
tenuissima, Schlot (TEREBRATULINA striata), Min. Tasch. vol. vii, pl. 27, f. 7.
Tornacensis, d'Arc. M. G. S. F. 2d s. vol. ii, 318, 18, 2–5. E, Fr. *U. G.*
Toucasiana, d'Orb. Prod. 258. Fr. *C.*
truncata, Sow. (TEREBRATELLA Menardi), M. Con. 237.
*(?) umbonata, Park. G. T. 1st s. vol. v, p. 53. E. *U. G.*
Vanuxemi, Lyell & Forbes (TEREBRATELLA), Q. J. G. S. vol. i, p. 62.
varians, Roem. (R. depressa), Nord. Kreid.
vespertilio, Broc. Sp. (RHYNCHONELLA), Von Buch, M. G. S. F. vol. iii, 154, 15, 25.
Viquesneli, d'Arc. (depressa), M. G. S. F. 2d s. vol. ii, 316, 18, 1.
Vendocensis, d'Orb. Prod. 258. Fr. *C.*
Verneuili, d'Arc. M. G. S. F. 2d s. vol. ii, 326, 20, 4. Fr. *U. G.*
Wacoensis, Roem. Kreid. Tex. 81, 6, 2. Texas. *C.*

* I have not seen this species noticed by later authors.

TEREBRATULINA, d'Orb. 1847.

auriculata, Roem. Sp. (**Terebratula**), d'Orb. Prod. 172. Fr., G. *U. G.*
biauriculata, d'Orb. P. F. 58, 502, 3–4. Fr. *N.*
Campaniensis, d'Orb. P. F. 60, 502, 13–18. Fr. *C.*
chrysalis, Dav. (striata), Q. J. G. S. 1846, pl. 18, f. 18–20.
Dutempleana, d'Orb. P. F. 64, 504, 1–8. Fr. *C.*
echinulata, Duj. Sp. (**Terebratula**), d'Orb. P. F. 63, 503, 7–11. Fr. *C.*
elegans, d'Orb. (Dutempleana), Prod. 258.
Floridana, Morton, Sp. (**Terebratula**), d'Orb. Prod. 258. Ala. *C.*
gracilis, Schlot. Sp. (**Terebratula**), d'Orb. P. F. 63, 502, 1–6. E., Fr., G., Russ. *C.*
lachryma, Morton, Sp. (**Terebratula**), d'Orb. Prod. 396. S. Carolina. *
Martiniana, d'Orb. P. F. 59, 502, 8–12. Fr. *G.*
ornata, Roem. Sp. (**Terebratula**), d'Orb. Prod. 258. G. *C.*
striata, Wahl. Sp. (**Anomites**), d'Orb. P. F. 65, 504, 9–17. E., Fr., G., Sw. *C.*
Saxoneti, Pictet & Roux, Env. Genèv. 541, 51, 8. Fr. *G.*
subgracilis, d'Orb. (gracilis), Index, Prod.
Halliana, Gabb, MSS. N. J.* *C.*

TEREBRIROSTRA, d'Orb. 1847.

Arduennensis, d'Orb. P. F. 128, 519, 6–10. G., Fr. *N.*
canaliculata, d'Arc. Sp. (**Terebratula**), d'Orb. Prod. 173. G., Fr. *U. G.*
lyra, Sow. Sp. (**Terebratula**), d'Orb. P. F. 129, 519, 11–19. G., Fr., E. *U. G.*
Neocomensis, d'Orb. P. F. 127, 519, 1–5. Fr. *N.*

THECIDEA, Defr. 1828.

digitata, Sow. Sp. Goldf. 290, 161, 6. G. *U. G.*
Essensis, Roem. Nord. Kreid. p. 32. G. *U. G.*
hieroglyphica, Defr. in Goldf. P. G. 290, 161, 5. G. *C.*

* See "Synopsis of American Cretaceous Brachiopoda," in the Proceedings of the Academy of Natural Sciences, January, 1861. I have since ascertained that the form from New Jersey, although labelled *lachryma* by Dr. Morton, is specifically distinct from his types from South Carolina, which *are* Eocene, and that the New Jersey species is as yet undescribed. The fact that the New Jersey specimens were labelled by Dr. Morton, misled me.

hippocrepis, Goldf. P. Germ. 281, 161, 4. G. *C.*
papillata, Schlot. Sp. (**Terebratulites**), Bronn, Leth. Geog. 663, 30, 3. Fr., G. *C.*
radiata, Defr. (papillata), id. 53, 434, 56, 1.
recurvirostra, Defr. D. Sc. Nat. 53, 435. Fr., G. *C.*
rugosa, d'Orb. P. F. 153, 522, 8, 14. Fr. *U. G.*
tetragona, Roem. Ool. pl. 18, f. 4. Fr., G. *N.*
Wetherellii, Morris, An. Mag. N. H. 1851, pl. 4, f. 1–3. E. *C.*

TRIGONESIMUS, Konig. 1825 (**Fissurirostra**, d'Orb. 1847).

elegans, Konig. Icon. Foss. Sect. 3, 6, 73. E., Fr., G. *C.*
incerta, Dav. Brit. Cret. Brach. 31, 6, 5. E. *C.*
lyra, Sow. Sp. (TEREBRIROSTRA), K. Icon. Foss. Sc. f. 76.
pectita, d'Orb. Sp. (**Fissurirostra**), Gabb, 1861. E., Fr. *C.*
pulchella, Nils. Sp. (**Terebratula**), Gabb, 1861. Sw. *C.*

WALDHEIMEA, King, 1849.

Celtica, Morris, Cat. Brach. Brit. Mus. 1853, p. 62. E., Fr., G. *L. G.*
tamarindus, Sow. Sp. (**Terebratula**), Morris, id. p. 62. E., Fr., G., Spain. *U. G., N.*